Mydro 4849 & 4867 Nredge 4757 to 4779 May 4 & June 6,1906 Alaska Aleutians

Dr. 4759-4779 Mydro 4849 64867 June 6,1906

Dr. 4757 { nut nos. Hy 4849 Recorder - Sturistics 1.

2. Aitker - " 2.

3. De Long - B.D. Pat from. Duk musting Brahmst . - Str. Pot 2. Into to go down at war of a x - 2

4757 Date May 4, 1906 Incas Machine. Reel Depth 146 fms. Turns Cor.+ Shot or lead 35 % No specimen: wire carried many Bottom Bottom temperature No. of thermometer None used Cor. Corrected temperature Air JGO Surface JJO Drift Trambor dredge Inter 4 1, 2 Robords 12th SOUNDING WIRE. DREDGE ROPE. am. DOWN. 10.07.00 10.41.40 9.59.10 10.00.45 12.05 35.45 10.01.30 10.13:20 13.33.25 300 after lead struck 400 bottom wire carried 500 away. - Lost las Towing for 20 min 600 and 146 for min to 125 foro. wire, 700 at any proximate 800 After Samding 900 depth of 100 for out of and dropped 1000 overboard 700 Fmg 1100 of wire rusty and 1200 morke 1300 1400 1600 1700 1800 1900 2100 2200 2300 2400

| SOUNDIN | G WIRE.  |        | DREDGE   | ROPE.    |
|---------|----------|--------|--|----------|
| DOWN.   | UP.      | TURNS. | DOWN.  | UP.      |
|         |          | 2500   | Bar. 22.   | 29.99    |
|         | 5        | 2600   | Therm atto   | 60       |
| th' 21  | M/       | 2700   | Var. Ut. bruge   |          |
| a. H    | /        | 2800   | moderate Se  | L        |
|         |          | 2900   | Overcost;  | misty    |
|         |          | 3000   | C.S. OLths   | 700      |
|         |          | 8100   | Dr. Course   | N.W. 5/8 |
| 7.4     | 14 14 14 | 3200   |  | in land  |
|         |          | 8800   | Lav 30   | 9º18N    |
|         |          | 8400   | Long 12  | 3.580    |
| - 3     |          | 3500   | willa !  | Variot   |
|         |          | 8600   | No. of the last of |          |
|         |          | 8700   |  |          |
| in-     |          | 8800   |  |          |
|         |          | 3900   |  |          |
|         |          | 4000   |  |          |

| DEPTH.  | TEMP. | NO. OF THER.                              | COR. | COR. TEMP. |
|---------|-------|---|------|------------|
| 25      |       |   |      |            |
| . 50    |       |   |      |            |
| 100     |       |   | 17   |            |
| 200     |       |   |      |            |
| 800     |       |   |      |            |
| 400     |       |   |      |            |
| 500     |       |   |      |            |
| 600     |       |   |      |            |
| 700     |       | 19  | 115  |            |
| 800     |       |   | 1    |            |
| 900     |       |   |      |            |
| 1000    |       | de la | 1    |            |
| 11-1023 |       | 7377771737                                |      |            |

Date May 19.06 ONO! Hy 58 Machine. Shot or lead Bottom Bottom temperature No. of thermometer Cor. Corrected temperature Air 5 Surface 50 Travel or dredge & 1 1 SOUNDING WIRE. DREDGE ROPE. TURNS. DOWN. UP. an-DOWN 0 100 200 300 400 500 600 700 800 900 1000 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400

| SOUND   | ING WIRE. |            | DREDGE        | ROPE.    |
|---------|-----------|------------|---------------|----------|
| DOWN.   | UP.       | UP. TURNS. |               | UP.      |
| nk.     |           | 2500       | P.L. o        | 44.5     |
| Jm.3    |           | 2600       | Barometer     | 30.08    |
| Y.      |           | 2700       | Therm. attid. | 50 -     |
|         |           | 2800       | Wind: It. L   | use, NW  |
|         | == 4      | 2900       | Weather !     | on cast, |
|         |           | 3000       | Sen:          | In work  |
| 0.      |           | 3100       | Chart mid:    | 20,904   |
| Fax 5   | ON        | 3200       | Dr. Course:   | W. n.W.  |
| Jug 1.  | 3=53'Or   | 3300       | appr. dyst    | 1600 9   |
| and st  | James     | 3400       | distr. store  | 70       |
| Trees C | harsback. | 3500       | dio fransko   | 0/45     |
| 201     | tarny     | 3600       |               |          |
| 120     | trul      | 8700       |               |          |
| desta   | 100 70m   | 3800       |               |          |
| 3/0,00  | 6 %       | 8900       |               |          |
| Val. Me |           | 4000       |               |          |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR, TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       | 1.0          |      |            |
| 100    |       |              | 7 .  |            |
| 200    |       | 2 000        |      |            |
| 300    |       |              |      |            |
| 400    |       | -            | 190  |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       | 1            |      |            |
| 1000   |       |              |      |            |

No. D. 4759

May 20, 1906.

Machine. Reel.

Cor.+ Turns

Depth Vogo

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Corrected temperature

Air 51° Surface 4

| SOUNDIN     | G WIRE. |        | DREDGE       | DREDGE ROPE. |  |  |
|-------------|---------|--------|--------------|--------------|--|--|
| DOWN.       | UP.     | TURNS. | DOWN.        | ATI          |  |  |
| - 7 - 5     |         | 0      | 10-02-00     | 10-51-       |  |  |
| Town a line | 347 3   | 100    | 05-30        | 47-10        |  |  |
| marin de    |         | 200    | 8-50         |              |  |  |
| 100 - V2-   |         | 300    | 11-53        | 39-4         |  |  |
| 14 11       |         | 400    | 10-14-40     | 10-24-7      |  |  |
|             |         | 500    | Towed 2      | o min        |  |  |
|             |         | 600    | at estre.    | depth        |  |  |
|             |         | 700    | of 300 f     | ath w        |  |  |
| y Who have  |         | 800    | 400 Path     | will.        |  |  |
| 1           |         | 900    | 1.0-1        |              |  |  |
|             |         | 1000   |              |              |  |  |
|             |         | 1100   |              |              |  |  |
|             |         | 1200   |              |              |  |  |
|             |         | 1300   |              |              |  |  |
|             |         | 1400   | 1            |              |  |  |
|             |         | 1500   |              |              |  |  |
|             |         | 1600   | 100          |              |  |  |
| AL - 1      |         | 1700   |              | - 1          |  |  |
|             |         | 1800   | Selection of |              |  |  |
| - 1         |         | 1900   | 4 - 1        | 4            |  |  |
|             |         | 2000   |              |              |  |  |
| 3           |         | 2100   |              |              |  |  |
| 1 344       |         | 2200   | 110          |              |  |  |
|             |         | 2300   | 1 - 2        |              |  |  |
|             |         | 2400   |              |              |  |  |

| SOUNDIN | NG WIRE.  | 1000   | DREDGE       | ROPE.       |
|---------|-----------|--------|--------------|-------------|
| DOWN.   | UP.       | TURNS. | DOWN.        | UP.         |
|         |           | 2500   | P.L.         | 70.0        |
| 2 2-    |           | 2600   | Weather: NE  | arly overca |
| Kem?    |           | 2700   | Wind:        | House       |
| , V     |           | 2800   | Ser.         | Smooth      |
|         |           | 2900   | Barrineter,  | 30.         |
|         | 1-17      | 3000   | Therm atta   |             |
|         |           | 3100   | Dredy Cours  | wxn:        |
|         | San Allen | 3200   | Est. Depth:  |             |
| 4       |           | 3300   | Newvot Land  | - midi      |
| - 1     | -1-1      | 3400   | Chart was:   |             |
|         |           | 3500   | Lat:         |             |
|         | 5-81      | 3600   | Long:        | 138° 31' IN |
|         | 6         | 3700   | Bearings: Of |             |
| -       | 5.80      | 3800   | Charlotte    | Tils.       |
| Nr. 1   | 7         | 3900   | No.          |             |
|         | 1         | 4000   |              |             |

| DEPTH. | TEMP. | NO. OF THER. | COR.   | COR. TEMP. |
|--------|-------|--------------|--------|------------|
| 25     |       |              |        |            |
| 50     |       |              |        |            |
| 100    |       |              | 13 8 3 |            |
| 200    |       |              |        |            |
| 800    |       |              |        |            |
| 400    |       |              |        |            |
| 500    | - 11- |              |        |            |
| 600    | - 7   |              | 1      |            |
| 700    |       |              |        |            |
| 800    |       |              |        |            |
| 900    |       |              |        |            |
| 1000   |       |              |        |            |

11-1023 4760, Date 21 May,

Reel. Machine.

Cor.+ Turns

Shot or lead

Bottom

Bottom temperature

No. of thermometer

Corrected temperature

No Som Air 440 Surface 440 Drift

Trawbon dredge Inter & 1. 2 Kofrids # 1 4 1

| SOUNDI | NG WIRE. | TURNS. | am DREDGI  | am DREDGE ROPE. |  |
|--------|----------|--------|------------|-----------------|--|
| DOWN.  | UP.      | TURNS. | DOWN.      | UP.             |  |
| 1000   |          | 0      | 10.07.10   | 10,56.00        |  |
| -      |          | 100    | 1          | 52.0            |  |
|        |          | 200    | 13.31      | 48.0            |  |
|        |          | 800    | 16.30      | 44.0            |  |
|        |          | 400    | 10.19.30   | 10.39.3.        |  |
|        |          | 500    |            |                 |  |
|        |          | 600    | Tomes &    | 20 min.         |  |
|        |          | 700    | to 400 for | o. win          |  |
|        |          | 800    | at an is   | Emartis         |  |
|        |          | 900    | depth of   | 300 mo.         |  |
|        |          | 1000   | 1          | 11/201          |  |
|        |          | 1100   |            |                 |  |
|        |          | 1200   |            |                 |  |
|        |          | 1300   |            |                 |  |
|        |          | 1400   |            |                 |  |
|        |          | 1500   |            |                 |  |
|        | 100      | 1600   |            |                 |  |
|        |          | 1700   |            | -               |  |
|        |          | 1800   |            | - 7             |  |
|        |          | 1900   |            | 1 1 1           |  |
|        |          | 2000   | 1          |                 |  |
|        |          | 2100   |            |                 |  |
|        |          | 2200   |            |                 |  |
| 4,4    | 31 4     | 2300   | (M) 1-1    |                 |  |
|        | 1        | 2400   | 1          | 1               |  |

| SOUNDIN | G WIRE. |        | DREDGE       | ROPE.            |
|---------|---------|--------|--------------|------------------|
| DOWN.   | UP.     | TURNS. | DOWN.        | UP.              |
| ,       |         | 2500   | · た12.       | 10.6             |
| 4.1     |         | 2600   | The Section  | ٠                |
| 4.7     |         | 2700   | Wind: Moder  | The bourd is     |
|         |         | 2800   | Sen. made    |                  |
|         |         | 2900   | Barometer,   | 30:14            |
|         |         | 3000   | Them. Atto.  | 630              |
|         |         | 3100   | 'n           | · · · · · ·      |
|         |         | 1      | Esti Distil  |                  |
|         |         | 3300   | Meanest Zina | Quantitative (in |
|         |         | 3-100  | C            | C. " "           |
|         |         | 3500   | Jur. 53      | S                |
|         |         | 3600   | 20ry. 144    | · 53' W.         |
|         |         | 3700   | Daringo:     | Pana             |
| 14      |         | 3800   | (            |                  |
| 1 .     |         | 3900   |              |                  |
|         |         | 4000   |              |                  |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR, TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

No. I to be and to be an in the second of th

Travel or dredge . Sin

|             |          |        | ~           |         |
|-------------|----------|--------|-------------|---------|
| SOUNDIN     | G WIRE.  |        | , DREDGE RO | PE.     |
| bówx.       | PP.      | TURNS. | DOWN.       | UP.     |
| - 6.        | 1.11.17  | 0      |             |         |
| 1-04-1      | 11       | 100    | <i>3</i> ;  | 7       |
|             | Ψ΄, -    | 200    | / ,;;}      |         |
| / / /       | :1-      | - 300  | / /         |         |
|             | 14.      | 400    | / 3. 1      | - 7.1   |
|             | 1, 10    | 500    | 1           |         |
|             | 11       | 600    | / / /       | -00     |
|             | V1       | 700    | 7           |         |
| <i>'</i> ,  | 4.       | 800 -  | 1210        |         |
| 1           | (*,**)   | 900    | × 12 %      |         |
| 7.14        | 11.14    | , 1000 |             |         |
| 10.00       | "" -     | 1100   | 1.73        | 1,9     |
| ,           | 26 90    | 1200   |             |         |
| 10 12       |          | 1300   | 100         |         |
| 11.         | .74.15   | 1400   |             |         |
| 1000        | 3,00     | 1500   |             |         |
| 1/:         | " , ,    | 1600   | 14:3        |         |
| 720         | 30.00    | 1700   | 7,1 20      |         |
| 27.22       | 2. 9. 7  | 1800   |             |         |
| , , , , , , | 7.7. 1.  | 1900   | 11.         |         |
| . : ' '/    | 1. 75.03 | -2000  | 1           |         |
|             |          | 2100   | 12 /        | ,       |
|             |          | 2200   | 1-1-1       | 7 9     |
|             |          | 2300   | /           | * 10 ju |
|             |          | 2.100  | 6 3         |         |

| SOUNDIN   | G WIRE. |        | DREDGE    | ROPE.                 |
|-----------|---------|--------|-----------|-----------------------|
| DOWN.     | UP.     | TURNS. | DOWN.     | UP.                   |
|           |         | 2500   | (1 ) ;    |                       |
|           |         | 2600   |           | 5-100                 |
| -         |         | 2700   | Overcas   | t in                  |
|           | .1      | 2800   | Moderate  | Bra.                  |
| 2/        | . Atie  | 2900   | Wind-     |                       |
| - 1. 1.40 | se 1    | 3000   | Baromer   | · · · · · · ·         |
| .6, 3.    | A 1 . 1 | 3100   | Then      |                       |
| Leave .   | in at   | 3200   | Dr. Cozin | se: - N. N.           |
| 30:40     |         | 3300   | Nearesta  | and: PH               |
|           |         | 3400 Å |           | Mc ) dist 49          |
|           |         | 3500   |           | 67 30                 |
| 1         |         | 3600   |           | · · · · · · · · · · · |
| ,.        |         | 3700   | ( hos :-  | C                     |
|           | 92      | 3800   |           |                       |
|           |         | 3900   |           |                       |
|           |         | 4000   |           |                       |

#### SERIAL TEMPED AUTIDIO

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR, TEMP |
|--------|-------|--------------|------|-----------|
| 25     |       |              |      |           |
| 50     |       |              |      |           |
| 100    |       |              |      |           |
| 200    |       |              |      |           |
| 800    |       |              |      |           |
| 400    |       |              |      |           |
| 500    |       |              | -    |           |
| 000    |       |              |      |           |
| 700    |       |              |      |           |
| 800    |       |              |      |           |
| 900    |       |              |      |           |
| 1000   |       |              |      |           |

No. Date 2.4.

No. Date 2.4.

Turns Cor.+ Depth 56

Shot or lead T. N. lead

Bottom I an S. Iku SI.

Bottom temperature —

No. of thermometer none we Cor.

Corrected temperature —
Air 5/0 Surface 400 Drift

Trund or dredge.

|           |              | , *              | ,         | · ·     |
|-----------|--------------|------------------|-----------|---------|
| · .soundi | NG WIRE.     | TURNS.           | DREDG     | E ROPE. |
| DOWN.     | UP.          | TURNS.           | DOWN.     | UP.     |
|           |              | 0<br>2756<br>100 | 9.01.20   | 9. 3.40 |
|           |              | 200€             | 19.03.00  | 9.23.5  |
|           |              | 300              |           |         |
|           |              | 400              | Towed for | . :     |
|           | and a second | 500              | ちから       | 2       |
| Tanne     | Assistant.   | G00              | nt.       |         |
|           |              | 700              | d         | 1.      |
|           |              | 800              |           |         |
|           |              | 900              |           |         |
|           |              | 1000             |           |         |
|           |              | 1100             |           |         |
|           |              | 1200             |           |         |
|           |              | 1300             |           |         |
|           |              | 1400             |           |         |
|           |              | 1500             |           |         |
|           |              | 1600             |           |         |
|           |              | 1700             |           |         |
|           |              | 1800             |           |         |
|           |              | 1900             |           |         |
|           |              | 2000             |           |         |
|           |              | 2100             |           |         |
|           |              | 2200             |           |         |
|           |              | 2300             |           |         |
|           |              | 2400             |           |         |

| SOUNDIN | G WIRE. | TURNS. | DREDGI        | E ROPE.  |
|---------|---------|--------|---------------|----------|
| DOWN.   | UP.     |        | DOWN.         | UP,      |
|         |         | 2500   |               |          |
|         |         | 2600   | <i>;</i>      | ·        |
|         |         | 2700   | 7.15          | 7        |
| 5       |         | 2800   | Sem:          | S.       |
| /i      |         | 2900   |               | *        |
|         |         | 3000   | Therm ATTO:   | 62       |
|         |         | 3100   | Drady Cours   | WWby W   |
| }       |         | 3200   | · Vencot land |          |
|         |         | 8800   | Thent was     |          |
|         |         | 3100   |               | : .      |
|         |         | 3500   |               | 12000    |
|         |         | 3600   | Bearingo: .   |          |
|         |         | 3700   | at River      |          |
| - 13    |         | 3800   | 1.120         | (us), di |
|         |         | 3900   | 3.3           |          |
|         |         | 4000   |               |          |

| DEPTH.  | TEMP. | NO. OF THER. | COR. | COR, TEMP. |
|---------|-------|--------------|------|------------|
| 25      |       |              |      |            |
| ~17     |       |              |      |            |
| 50      |       |              |      |            |
| 100     |       |              |      |            |
| 200     |       |              |      |            |
| -800    |       |              |      |            |
| 400     |       |              |      |            |
| 500     |       |              |      |            |
| 600     |       |              |      |            |
| 700     |       |              |      |            |
| 800     |       |              |      |            |
| 900     |       |              |      |            |
| 1000    |       |              |      |            |
| 11-1023 |       |              |      |            |

Date

Machine. Reel.

Turns

Cor.+

Shot or lead Bottom

Depth

 $Bottom\ temperature$ 

No. of thermometer

Corrected temperature

Air 41,0

Cor.

Trawt or dredge

Surface 47

| SOUNDI | NG WIRE. |        | DREDGE  | ROPE. |
|--------|----------|--------|---------|-------|
| DOWN.  | UP.      | TURNS. | DOWN.   | UP.   |
|        |          | 0      | 4 1.1   | 1 11  |
|        |          | 100    | 1 1 1 1 | 1.    |
|        |          | 200    | 12      | 41    |
|        |          | 300    | 1       | 11:1  |
|        |          | 400    | 1.      | 1 , 7 |
|        |          | 500    | ,       |       |
|        |          | 600    |         |       |
|        |          | 700    |         |       |
|        |          | 800    |         |       |
|        |          | 900    |         |       |
|        |          | 1000   |         |       |
|        |          | 1100   |         |       |
|        |          | 1200   |         |       |
|        |          | 1300   |         |       |
|        |          | 1400   |         |       |
|        |          | 1500   |         |       |
|        |          | 1600   |         |       |
|        |          | 1700   |         |       |
|        |          | 1800   |         |       |
|        |          | 1900   |         |       |
|        |          | 2000   |         |       |
|        |          | 2100   |         |       |
|        |          | 2200   |         |       |
|        |          | 2300   |         |       |
|        |          | 2100   |         |       |

| SOUNDI | NG WIRE. |        | DREDGE ROPE. |       |
|--------|----------|--------|--------------|-------|
| DOWN.  | UP.      | TURNS. | DOWN,        | UP.   |
|        |          | 2500   | 72           |       |
| 1      |          | 2600   | 14           |       |
| . /.   |          | 2700   | -            | 11:11 |
|        |          | 2800   |              |       |
|        |          | 2900   |              |       |
| . '    |          | 3000   |              |       |
|        |          | 3100   |              |       |
| -75-   |          | 8200   |              |       |
|        | ``       | 3300   | -            |       |
|        |          | 3100   |              |       |
|        |          | . 3500 |              |       |
|        |          | 3600   |              |       |
|        |          | 3700   | 7.           |       |
|        |          | 3800   | · ·          |       |
|        |          | 3900   |              |       |
|        |          | 4000   |              |       |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

Machine. Reel.

Turns

Shot or lead .

Cor.+

Depth // 30 fat Bottom is saigh fly M.

Bottom temperature 35.2°

No. of thermometer / 080/6 Cor. Corrected temperature 36, 2

Trawl or dredge & agazing & Eling new y Mud Ong

Air 40° Surface 4/1 Drift

| SOUNDING | WIRE.      | TURNS.         | DREDGE | E ROPE. |
|----------|------------|----------------|--------|---------|
| DOWN.    | UP.        | TORNS.         | DOWN.  | UP.     |
|          | - 27 45    | 0              |        |         |
|          | 26-45      | 100            |        | 1       |
|          |            | 200            | 11.1.  | ;       |
|          | 7 /        | 300            | 7 .    |         |
|          | 23 1       | 400            | 1. 1   | 17 "    |
| 1        |            | 500            | . , '' |         |
|          | 92-00      | 600            | 3.     |         |
| 1.       | 21-00      | 700            | 4 .    |         |
|          | .) ^ -     | 800            | 17     |         |
| 1111     | 1100       | 900            | /      | 77      |
|          | 17 :       | 1000           | 3 - 1  |         |
|          | 1          | 1100           |        |         |
| 1 1.     | 1 - 1 - 19 | 1/3:<br>=1200= | λ΄.    |         |
|          |            | 1300           |        | 4       |
|          |            | 1400           | ,      | . ,     |
|          |            | 1500           | , .    |         |
|          |            | 1600           | 1.     |         |
|          |            | 1700           |        |         |
|          |            | 1800           |        |         |
|          | 1          | 1900           |        |         |
|          |            | 2000           |        |         |
|          |            | 2100           |        |         |
|          |            | 2200           |        |         |
| ·        |            | 2300           |        |         |
|          |            | 2400           |        |         |

| SOUNDING WIRE. |        | DREDGE ROPE.                          |                |  |
|----------------|--------|---------------------------------------|----------------|--|
| DOWN, UP.      | TURNS. | DOWN.                                 | UP.            |  |
|                | 2500   | .?                                    | 85.            |  |
|                | 2600   | 1.                                    | virenease.     |  |
|                | 2700   | . 25                                  | 82. 3 :        |  |
| ,              | 2800   |                                       | noderate       |  |
| V V            | 2900   | Bar -                                 | 29.35          |  |
| * 1            | 8000   | Then att.                             | 29.35          |  |
|                | 3100   | D. Cours                              | NXW & N.K.E.   |  |
|                | 8500   | ÷                                     |                |  |
|                | 8800   |                                       |                |  |
|                | 3100   | 2                                     | cts.           |  |
|                | 3500   | Lat.                                  | 5-3° 20' N.    |  |
|                | 3600   | Long                                  | 3° 20' N.      |  |
|                | 3700   |                                       | N. I'm front   |  |
|                | 3800   | · · · · · · · · · · · · · · · · · · · |                |  |
| 6 8 11 5       | 3900   | bearing                               | S. 1908 (thus) |  |
|                | 4000   | diet x1                               | rentes         |  |

| DI ** (5.) | TEMP. | NO. OF THER. | COR.  | COR. TEMP.  |
|------------|-------|--------------|-------|-------------|
| 25         |       |              | 1 Whi | ig net let. |
| ., 1       |       |              |       |             |
| 100        |       |              |       |             |
| 200        |       |              |       |             |
| 200        |       |              |       |             |
| 400        |       |              |       |             |
| 500        |       |              |       |             |
| 600        |       |              |       |             |
| 700        |       |              |       |             |
| 800        |       |              |       |             |
| 900        |       |              |       |             |
| 1000       |       |              |       |             |

800 Date 2 7 7 ....

Lucas Machine. Reel. Lies

Turns - Cor.+ - Depth 1217 from

Shot or lead 60.

Bottom temperature

No. of thermometer 108016.

Corrected temperature 357

Air 4/ 645-de Surface 42° Drift

Travel or dredge

|         |          | \      | <u> </u>   |         |
|---------|----------|--------|------------|---------|
| SOUNDI  | NG WIRE. |        | DREDGI     | E ROPE. |
| DOWN.   | UP.      | TURNS. | DOWN.      | UP.     |
| 1.07.30 | 1.32.45  | 0      | 4/         |         |
| 200     | · · · ·  | 100    | (2.20      |         |
| 09.75   | 31.05    | 200    | 4.         |         |
|         | 30,20    | 300    | 7.10       |         |
| 11-00   | 29.40    | 400    |            |         |
| 11.55   | 29.00    | 500    | )          |         |
| 14      | 21. **   | 600    |            |         |
| 14.00   | 27.25    | 700    | -          |         |
| 15.00   | 25.45    | 800    | <b>.</b>   | .' .    |
| 16:15   | 24.50    | 900    | ; .        |         |
| 17.15   | 20.50    | 1000   | 6:0        | 15.     |
| 8.20    | 22.45    | 1100   | ′, ′~      | C 22 1  |
| 100     | 2 1 1 1  | 1200   | 1.00       | 1.8 .1. |
| 1.14:35 | 1:21.25  | 1300   | 14.00      |         |
|         |          | 1400   |            | *       |
|         |          | 1500   | , .        | Carre   |
|         |          | 1600.  | 1. 1. 1.   | 2       |
|         |          | 1700   |            |         |
|         |          | 1800   |            |         |
| •       |          | 1900   | <u></u> 0. |         |
|         |          | 2000   |            |         |
|         |          | 2100   |            |         |
|         |          | 2200   |            |         |
|         |          | 2300   |            |         |
|         | , 99     | 2100   |            |         |

| SOUNDI  | SOUNDING WIRE. |        | DREDGE      | ROPE.        |
|---------|----------------|--------|-------------|--------------|
| DOWN.   | UP.            | TURNS. | DOWN.       | UP.          |
|         |                | 2500   | Pat. log:   | 10.9         |
|         |                | 2600   | Weather:    |              |
|         |                | 2700   | Wint:       | ENE, 3-4     |
|         |                | 2800   | Servi       | S.           |
|         |                | 2900   | /           | 1231 3       |
| J.m.    | /              | 8000   | Thermialto  | 180          |
| 2:/     | r              | 3100   | Dri Corraci | · Hooth :    |
| /       |                | 8500   |             |              |
|         |                | 8300   | Chart 1122: | 4.0.8.       |
|         |                | 3400   | Int: 53     |              |
|         |                | 3500   | Ironge 171  |              |
|         | -              | 8600   |             | · 2/ountstee |
| Var. 1  | 606.           | 8700   | Id., 43.5   | 772,         |
| 1.000.1 |                | 8800   | 1           |              |
|         |                | 3900   | Yorknask    | Id. S.370 E. |
|         |                | 4000   | Horney, 43. | 5 m. dist.   |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| -100   |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

REMARKS:

det came in four

..... Date

No.

Machine.

Reel. . (

Turns

Cor.+

Shot or lead

Bottom .

Bottom temperature

No. of thermometer

Depth

Cor.

Corrected temperature

Air 420

Surface 420 Drift

Trawl or dredge

| SOUNDIN | G WIRE. |        | DREDGE ROPE. |      |  |
|---------|---------|--------|--------------|------|--|
| DOWN,   | UP.     | TURNS. | DOWN.        | UP.  |  |
|         |         | 0      | 3.50.15      | . 35 |  |
|         |         | 100    | . 53.20      | 24   |  |
|         |         | 200    | 56.15        | 79,  |  |
|         |         | 300    | FA           | -7/  |  |
|         |         | 400 •  | <u> </u>     |      |  |
|         |         | 500    |              |      |  |
|         |         | 600    |              |      |  |
|         |         | 700    |              |      |  |
|         |         | 800    |              |      |  |
|         |         | 900    |              |      |  |
|         |         | 1000   |              |      |  |
|         |         | 1100   |              |      |  |
|         |         | 1200   |              |      |  |
|         |         | 1300   |              |      |  |
|         |         | 1400   |              |      |  |
|         |         | 1500   |              |      |  |
|         |         | 1600   |              |      |  |
|         |         | 1700   |              |      |  |
|         |         | 1800   |              |      |  |
|         |         | 1900   |              |      |  |
|         |         | 2000   |              |      |  |
|         |         | 2100   |              |      |  |
|         |         | 2200   |              |      |  |
|         |         | 2300   |              |      |  |
|         |         | 2100   | 1            |      |  |

| SOUNDIN | G WIRE. |        | DREDGE                         | ROPE.   |
|---------|---------|--------|--------------------------------|---------|
| bown,   | UP.     | TURNS. | DOWN.                          | UP.     |
|         |         | 2500   |                                |         |
|         | ,       | 2600   | y                              | 1,      |
|         |         | 2700   | Wind                           | ENE     |
| 100     |         | 2800   | den.                           | 3       |
| 9 1     | 20      | 2900   | Br.                            | 29.38   |
|         |         | 3000   | The MA.                        | 600     |
|         |         | 3100   | Dr. Crury                      | 1       |
|         |         | 3200   | Chart 422                      | Ka      |
|         |         | 3800   | Bor. A. Convo.  Chort was Lat. | Tooke 1 |
|         |         | 3400   | don.                           |         |
| Y       |         | 3500   | ·                              | 1       |
|         |         | 3000   | 0                              |         |
|         |         | 3700   |                                |         |
|         |         | 3800   |                                |         |
|         | 1 From  | 3900   |                                |         |
|         |         | 4000   |                                |         |

| DEPTH.     | TEMP. | NO. OF THER. | COR. | COR, TEMP, |
|------------|-------|--------------|------|------------|
| 25<br>50 , | ju.   | 106.         |      |            |
| 100        | -     |              |      |            |
| 200        |       |              |      |            |
| 300        |       |              |      |            |
| 400        |       |              |      |            |
| 500        |       |              |      |            |
| 600        |       |              |      |            |
| 700        |       |              |      |            |
| 800        |       |              |      |            |
| 900        |       |              |      |            |
| 1000       |       |              |      |            |

tucas

77 Date May 31, 1906

Machine. Reel.

Turns

Cor.+

Depth 1766 fatte

Shot or lead ...

Bottom Tho specimen

Bottom temperature det.

No. of thermometer 108016

Corrected temperature

Air 46-43 Surface 4/ Drift

| SOUNDING    | WIRE.     |        | DREDGE 1      | ROPE.     |
|-------------|-----------|--------|---------------|-----------|
| DOWN.       | UP,       | TURNS. | DOWN. 72/     | /, CP.    |
| 0 7         | - ¿ · · · | 13     | 2 - 03 - 10 % | 100       |
|             | 3/:       | 100    | 6 15          | , , , , , |
| 14 18       |           | 200    | 1 .           | · 、· ./   |
| 111         | 14.8-1    | 300    | 11.           | l 'sen    |
| -           | 4.        | 400    |               |           |
|             | 41/       | 500    | 14.           | 21.15     |
|             | 21        | (i(n)  | 11 3          | ?         |
|             | 11        | 700    |               | , ·       |
|             |           | : 30   | NS            |           |
|             |           | 900    |               | ,         |
|             | . /       | 1000   | 29-00,        | 14.50     |
|             | */        | 1100   | 31-30         | 11        |
|             | 4         | 1200   | 3.1           | 14 14     |
|             | 39.00     | 1300   | 36-36         | , 05. 30  |
|             | 1         | 1400   | 39-05-4.      | 02.45     |
|             |           | 1500   | 41-30         | 59.45     |
|             | 7 1       | 1600   |               |           |
| 32 6        | 11 1      | 1700   | 1-6-50        | 53: 13    |
| -32-50 /-   | 34-68     | 1800   | 49-10         | 49-2      |
|             | /         | 1900   | 1             | 2. 1.     |
|             |           | 2000   | 5-5-5         | 41-1      |
| lile konnet | ineq      | 2100   | 37-50         | 37-13     |
| /           | ,         | 2200   | 3-00-35       | -33 - 2   |
|             |           | 2800   | 3-03-30 3     | -28-3     |
| 1 1.11      | . ,       | 9400   |               |           |

apparatus / Keena sunpper ,

| SOUNDING WIRE.     |        | DREDGE ROPE.      |
|--------------------|--------|-------------------|
| DOWN, UP,          | TURNS. | DOWN. UP.         |
|                    | 2500   |                   |
|                    | 2600   |                   |
| 1 2.               | 2700   |                   |
| ox pm 3.           | 2800   |                   |
| 7,                 |        | 77 7              |
|                    | 2900   | P.L. 81.0         |
|                    | 3000   | Weather Overcust  |
|                    | . 8100 | Wind N.N.W 3      |
| a sale of the sale | 3200   | Sea Smoth         |
|                    | 3300   | Bar. 29.20 -      |
|                    | 3400   | Then att. 61.     |
|                    | 3500   | MX W.             |
| , , ,              | 3600   | C                 |
|                    | 3700   | 2 32 3. 3.        |
| Tax 146 6.         | 8800   | 2 .g. 174° 49' W. |
| 180. 14 6.         | 8900   | Bearings Komi. Ji |
|                    | 4000   | 9d, 522 /2:       |

|   | DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|---|--------|-------|--------------|------|------------|
| , | 25     |       |              |      |            |
|   | 50     |       |              |      |            |
|   | 100    |       |              |      |            |
|   | 200    |       |              |      |            |
|   | 300    |       |              |      |            |
|   | 400    |       |              |      |            |
|   | 500    |       |              |      |            |
|   | 600    |       |              |      |            |
|   | 700    |       |              |      |            |
|   | 800    |       |              |      |            |
|   | 900    |       |              |      |            |
|   | 1000   |       |              |      |            |

REMARKS:

11-1023

176 : Date

Machine.

Reel.

Turns

Cor.+

Deptit

Shot or lead

Bottom

Bottom temperature

No. of thermometer Corrected temperature

Trent or dredge \_ n'y

Air

430 - Surface

Cor.

| SOUNDIN | G WIRE.   | TURNS. | DREDGE   | ROPE. |  |
|---------|-----------|--------|--|-------|--|
| DOWN.   | DOWN. UP. |        | / DOWN.  | UP.   |  |
|         |           | 0      | 4.0.3-   | - 41  |  |
|         |           | 100    | -3.00  | 30.   |  |
|         |           | 200    | V 5 - 2 - 1  | -1    |  |
|         |           | 300    | .7 00  | 24    |  |
|         |           | 400    | 5.61.  | 21.   |  |
|         |           | 500    |  |       |  |
|         |           | G00    | (owe)  | -ned  |  |
|         |           | 700    | 20 min.  | , 11  |  |
|         |           | 800    | an replan  |       |  |
|         |           | 900    | defile of  | 347   |  |
|         |           | 1000   | ,  |       |  |
|         |           | 1100   |  |       |  |
|         |           | 1200   |  |       |  |
|         |           | 1300   |  |       |  |
|         |           | 1400   |  |       |  |
|         |           | 1500   |  |       |  |
|         |           | 1600   |  |       |  |
|         |           | 1700   |  |       |  |
|         |           | 1800   |  |       |  |
|         |           | 1900   |  |       |  |
|         |           | 2000   |  |       |  |
|         |           | 2100   | and the same of th |       |  |
|         |           | 2200   | - Company  |       |  |
|         |           | 2300   |  |       |  |
| i       |           | 2400   | 3  |       |  |

| SOUNDIN | SOUNDING WIRE. |        | DREDGE ROPE. |         |  |
|---------|----------------|--------|--------------|---------|--|
| DOWN.   | UP.            | TURNS. | DOWN.        | UP.     |  |
|         |                | 2500   | Walley.      | opm.    |  |
|         |                | 2600   | 17:1         | NNW.    |  |
| f.      | 13             | 2700   | d:           | S       |  |
| , !     |                | 2800   | .214         | 211.20  |  |
| 1 11    | 1              | 2900   | Try at D.    | 0 "     |  |
|         |                | 3000   | Dr. Co.      | White ! |  |
|         |                | 3100   | 2112 K       |         |  |
|         |                | 3200   | deline       |         |  |
|         |                | 3300   |              |         |  |
|         | _              | 3400   |              |         |  |
|         | ,              | 3500   |              |         |  |
|         | ,              | 3600   |              |         |  |
| 31      |                | 8700   |              |         |  |
| 1       |                | 3800   |              |         |  |
|         |                | 8900   |              | (       |  |
|         |                | 4000   |              |         |  |

| DEPTH. | TICMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|--------|--------------|------|------------|
| 25     |        |              |      |            |
| 50     |        |              |      |            |
| 100    |        |              |      |            |
| 200    |        |              |      |            |
| 900    |        |              |      |            |
| 400    |        |              |      |            |
| 500    |        |              |      |            |
| 600    |        |              |      |            |
| 700    |        |              |      |            |
| 800    |        |              |      |            |
| 900    |        |              |      |            |
| 1000   |        |              |      |            |

Machine.

Reel.

Cor.+

Shot or lead 60 4 Bottom di on

Bottom temperature

No. of thermometer 1096

Corrected temperature 35.0 Surface

Trust or dredge

Air

SOUNDING WIRE. DREDGE ROPE. TURNS. DOWN. 

| SOUNDING | WIRE. |        | DREDG | E ROPE. |
|----------|-------|--------|-------|---------|
| DOWN.    | UP.   | TURNS. | DOWN. | UP.     |
|          |       | 2500   |       | 7537    |
|          |       | 2600   |       |         |
|          |       | 2700   | -5-   | -30     |
|          |       | 2800   |       |         |
| 2        |       | 2900   |       | -7      |
|          |       | 3000   |       |         |
|          |       | 3100   | 24    | W       |
|          |       | 3200   | - 0   |         |
|          |       | 3300   |       |         |
|          |       | 3400   | •     |         |
|          | ,     | 3500   |       |         |
|          |       | 3600   |       |         |
|          |       | 3700   |       |         |
|          |       | 8800   |       |         |
|          |       | 3900   |       |         |
|          |       | -1000  |       |         |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR, TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 800    |       |              |      |            |
| 400    |       |              |      | 1          |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

No. H 4850 Date June 3, 1936

Lucas Machine. Reel. Lucas

Cor.+Shot or tout 35 lb., Sigsbel dounding hol,

Bottom The ST

Bottom temperature 36.1

No. of thermometer 109635 Cor. From

Corrected temperature 36.1"

Air 39° Surface 40° Drift Trawl or dredge

| SOUNDING WIRE |               | DREDGE | ROPE. |
|---------------|---------------|--------|-------|
| DOWN. A. UP.  | 1. UP. TURNS. |        | UP    |
| 10 23         | 0             |        |       |
| .2, .         | . 100         |        |       |
| 19 . 4 Ju     | / ) 200       |        |       |
| 1 1 27        | 300           |        |       |
|               | 400           |        |       |
| 17 30 12      | 500           |        |       |
| 1 : 21.       | , 600         |        |       |
| a. 2 ·.       | 7 700         |        |       |
| .21. 13       | 800           |        |       |
| -21-20 -71    | 900           |        |       |
|               | 1000          |        |       |
|               | 1100          |        |       |
|               | 1200          |        |       |
|               | 1300          |        |       |
|               | 1400          |        |       |
|               | 1500          |        |       |
|               | 1600          |        |       |
|               | 1700          |        |       |
|               | 1800          |        |       |
|               | 1900          |        |       |
|               | 2000          |        |       |
|               | 2100          |        |       |
|               | 2200          |        |       |
|               | 2300          |        |       |
|               | 2400          |        |       |

| SOUNDING WIRE. |     |         | DREDGE               | ROPE.     |
|----------------|-----|---------|----------------------|-----------|
| DOWN.          | UP. | TURNS.  | DOWN.                | UP.       |
|                |     | 2500    |                      |           |
|                |     | 2600    |                      |           |
|                |     | 2700    |                      |           |
| . '            |     | 2800    |                      |           |
|                |     | 2900    |                      |           |
|                |     | \$ 3000 | Cost. Sy             | 051N      |
|                |     | € 3100  | Kong, 174<br>Chart - | 1.º/0' E. |
|                |     | 3200    | Chart _              | 0.5.9100  |
|                |     | 3300    |                      |           |
|                |     | 8400    |                      |           |
|                |     | 3500    |                      |           |
|                |     | 3600    |                      |           |
|                |     | 3700    |                      |           |
|                | -   | 3800    |                      |           |
|                |     | 3900    |                      |           |
|                |     | 4000    |                      |           |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP.        |
|--------|-------|--------------|------|-------------------|
| 25     |       |              |      |                   |
| 50     |       |              |      |                   |
| 100    |       |              |      |                   |
| 200    |       |              |      |                   |
| 300    |       |              |      |                   |
| 400    |       |              |      | s( <sub>e</sub> , |
| 500    |       |              |      |                   |
| 600    |       |              |      |                   |
| 700    |       |              |      |                   |
| 800    |       |              |      |                   |
| 900    |       |              |      |                   |
| 1000   |       |              |      |                   |

No. 14. 48=1 Date June 3, 1906.

Lucas Machine, V Reel.

Turns Cor.+ Depth

Shot or lead 35 the and Liasbe

Bottom Last sky, wo

Bottom temperature Rest where # 109 635

No. of thermometer 109635 Cor.

 $Corrected\ temperature$ 

Air Surface

Drift

Trawl or dredge

| SOUNDING WIRE. |        | DREDGE                | ROPE. |
|----------------|--------|-----------------------|-------|
| DOWN. UP.      | TURNS. | DOWN,                 | UP.   |
| 11             | 0      |                       |       |
| 1: 43          | 100    |                       |       |
| 17.0           | 200    |                       |       |
| 19             | 300    |                       |       |
|                | 400    |                       |       |
|                | 500    |                       |       |
| . 40           | 600    |                       |       |
|                | 700    |                       |       |
| 30 fath "      | 800    |                       |       |
| ith there i    | 900    |                       |       |
|                | 1000   |                       |       |
|                | 1100   |                       |       |
|                | 1200   |                       |       |
| , , -/         | 1300   |                       |       |
| 10. (5.5 )     | 1400   | . ,                   |       |
| 10-63-6)       | 1500   | and the second second |       |
|                | 1600   |                       |       |
|                | 1700   |                       |       |
|                | 1800   |                       |       |
|                | 1900   |                       |       |
|                | 2000   |                       |       |
|                | 2100   |                       |       |
|                | 2200   |                       |       |
|                | 2300   |                       |       |
|                | 2400   |                       |       |

| SOUNDIN | G WIRE. |        | DREDGE                  | ROPE.   |
|---------|---------|--------|-------------------------|---------|
| DOWN.   | UP.     | TURNS. | DOWN.                   | UP.     |
|         |         | 2500   |                         |         |
|         |         | 2600   |                         |         |
|         |         | 2700   |                         |         |
| 7J. 5   | ,       | 2800   |                         |         |
| Kin is  | 1       | 2900   |                         |         |
|         | A part  | 3000   |                         |         |
|         | A1      | 3100   |                         |         |
| 1. July |         | 3200   |                         |         |
| 1/2     |         | 3300   |                         |         |
| 1       | "Zh h"  | 3100   | wit . " . "             | '3:",   |
|         | 10000   | 3500   | Long. 179               | 0020204 |
| ĺ       | 1       | 8600   | V                       |         |
|         | 12-     | 3700   | , , , , , , , , , , , , | 1 25    |
| 1/m. [] |         | 8800   |                         |         |
| 111.    | /.      | 3900   |                         |         |
|         |         | 4000   |                         |         |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 800    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| .800   |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

Machine. Reel.

Turns Cor.+ Depr Shot or tend 36-6. (Lucy)

Depth 981 from.

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 390 Surface 400 Drift

Trawt or dredge

| SOUNDING WIRE.                        |            | DREDGE ROPE. |     |  |
|---------------------------------------|------------|--------------|-----|--|
| DOWN. UP.                             | UP. TURNS. |              | UP. |  |
| · · · · · · · · · · · · · · · · · · · | 0          |              |     |  |
| 7 1                                   | 100        |              |     |  |
| 1 . 27                                | 200        |              |     |  |
|                                       | 300        |              |     |  |
| 1/ 35                                 | 400        |              |     |  |
| ,                                     | 500        |              |     |  |
| 1,24                                  | 600        |              |     |  |
| 13                                    | 700        |              |     |  |
| <i>(*.</i> *.                         | 800        |              |     |  |
| . , ,                                 | , 900      |              |     |  |
| - 1 - 1 - 1                           | 1000       |              |     |  |
|                                       | 1100       |              |     |  |
| in the second                         | 1200       |              |     |  |
|                                       | 1300       |              |     |  |
| · · · · · · · · · · · · · · · · · · · | 1400       |              |     |  |
|                                       | 1500       |              |     |  |
| (, . , :                              | 1600       |              |     |  |
| 6                                     | 1700       |              |     |  |
| ,                                     | 1800       |              |     |  |
|                                       | 1900       |              |     |  |
|                                       | 2000       |              |     |  |
|                                       | 2100       |              |     |  |
|                                       | 2200       |              |     |  |
|                                       | 2300       |              |     |  |
|                                       | 2100       |              |     |  |

| SOUND | SOUNDING WIRE. |        | DREDGE ROPE. |         |  |
|-------|----------------|--------|--------------|---------|--|
| DOWN. | UP.            | TURNS. | DOWN.        | UP.     |  |
|       |                | 2500   |              |         |  |
|       |                | 2600   | ,*           | on      |  |
| -     |                | 2700   | ,            | - 3     |  |
|       |                | 2800   |              |         |  |
| 11    |                | 2900   |              | 200     |  |
|       |                | 3000   |              | 160     |  |
|       |                | 3100   | . The mix    | C.S. 91 |  |
|       |                | ( 3200 | 17.0         | 07.35X  |  |
|       | , , , , ,      | 3800   | ,/:          | 1602/10 |  |
|       |                | 3400   | `.           |         |  |
|       |                | 3500   |              |         |  |
|       |                | 3600   |              |         |  |
| . 11  |                | 3700   |              |         |  |
|       |                | 3800   |              |         |  |
| ,     |                | 3900   |              |         |  |
|       |                | 4000   |              |         |  |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       | ,            |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

4.767 Date 3 Jane 06.

. ... Machine. Reel. Lucas

Turns Cor.+ Depth 77/ for Shot or teat Sigsbee 60- 76, and Soly. Cys. Depth 771 fins.

Bottom temperature 36.

No. of thermometer 108010 Cor. Corrected temperature 36.5

Air 39 - Surface 400 Drift

Travel or dredge Jan. 2 ... 7. (

|                | 0 0    | V /    | · /          |          |
|----------------|--------|--------|--------------|----------|
| SOUNDING WIRE. |        | TURNS. | DREDGE ROPE. |          |
| DOWN.          | UP.    | TORAS. | DOWN.        | UP.      |
| 1 .            | J      | 0      |              | 1. 12. 0 |
| ۳٠.٠٠          |        | 100    | 1 1 1.1      | 17.00    |
| 17.0           | -      | 200    | 1            | -        |
|                |        | 300    | 1. *         | ., .     |
|                | ,      | 400    |              | 112      |
| 17. 20         | 15.75  | 500    |              | ι΄. ).   |
| 11.            | 14. 32 | 600    | . 1          | · ·      |
|                | ٠      | 700    | 1)           | 10 0     |
|                | 1 1    | /800-  | 7. T.        | 16 00    |
|                |        | 900    | ÷   ·        | 22 :0    |
|                |        | 1000   | 61.75        | 2.8 20   |
|                |        | 1100 . | T./          | 10.74.   |
|                |        | 1200   |              |          |
|                |        | 1300   | \            | ni       |
|                |        | 1400   |              |          |
|                |        | 1500   |              |          |
|                |        | 1600   |              |          |
|                |        | 1700   |              |          |
|                |        | 1800   |              |          |
|                |        | 1900   |              |          |
|                |        | 2000   |              |          |
|                |        | 2100   |              |          |
|                |        | 2200   |              |          |
|                |        | 2300   |              |          |
|                |        |        |              |          |

2100

| SOUNDIN | G WIRE.                               |        | DREDGE        | ROPE. |
|---------|---------------------------------------|--------|---------------|-------|
| DOWN.   | UP.                                   | TURNS. | DOWN.         | UP.   |
|         |                                       | 2500   | P.L.          | -14   |
|         |                                       | 2600   | Wenther       | · /   |
|         |                                       | 2700   | Wins          |       |
| 1       |                                       | 2800   | Sec           | · .   |
|         |                                       | 2900   | ÷.,,          | 20.00 |
|         |                                       | 3000   | in the second | 100   |
|         |                                       | 3100   | Dr. C         | 100   |
|         |                                       | 3200   |               |       |
|         |                                       | 3300   | Chair         | 2000  |
|         |                                       | / 3100 | 4. 3          | 4 N.  |
|         | · · · · · · · · · · · · · · · · · · · | 3500   |               | 13.   |
|         |                                       | 3600   |               |       |
|         |                                       | 3700   |               |       |
| - )     |                                       | 3800   |               |       |
| . '     | /i ·                                  | 3900   |               |       |
|         |                                       | 4000   |               |       |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              | 1    |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

No. D. 4767 and Date 3 June 03.

Cor.+

Machine. Reel. .

Turns Shot or lead

Bottom

Bottom temperature

No. of thermometer

Cor.

Depth

Corrected temperature

Air 45° S

Surface 40° Drift

Trans or dredge Ing 1. .. SOUNDING WIRE. DREDGE ROPE. TURNS. amoown. DOWN. UP. UP. 0 100 200 300 11, 22.15-11.32,05 500 600 700 800 900 300 Ano. 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400

| SOUNDIN | G WIRE. |        | DREDGE    | ROPE.       |
|---------|---------|--------|-----------|-------------|
| DOWN.   | UP.     | TURNS. | DOWN.     | UP.         |
|         |         | 2500   |           | , 3: _,     |
|         |         | 2600   | my of s   | of the      |
|         |         | 2700   | ning of 5 | lation Oses |
|         |         | 2800   | on praco  | din Do      |
|         |         | 2900   |           |             |
|         |         | 3000   |           |             |
|         |         | 3100   |           |             |
|         |         | 3200   |           |             |
|         |         | 3300   |           |             |
|         |         | 3400   |           |             |
|         |         | 3500   |           |             |
|         |         | 3600   |           |             |
|         |         | 8700   |           |             |
|         |         | 3800   |           |             |
|         |         | 3900   |           |             |
|         |         | 4000   |           |             |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

No. 1 4761 Date Soms . J.

Machine. Reel.

Depth

Shot or lead Dollas Dags sady rid.

Depth 76st &m

Bottom -gar br m. for fill.

Bottom temperature 37

No. of thermometer 108010 Cor.

Corrected temperature 37.

Air + V Surface + Drift

| SOUNDI | NG WIRE. |        | DREDGE ROPE. |
|--------|----------|--------|--------------|
| DOWN.  | UP.      | TURNS. | DOWN TO UP.  |
| v.m.   |          | 0      | 1-260030     |
| /      |          | 100    | 30 003 00    |
| - 17   | 1 1      | 200    | 10,00        |
| . 5    | /… ;     | 300    | ,a. /        |
|        |          | 400    |              |
| ,      | 100      | 500    |              |
| - 74   |          | 600    | 455 46       |
|        | 1-1.     | र्शम)  | 4735 43      |
|        |          | 800    | 5% 25 40     |
|        |          | 900    | J3 10 36     |
|        |          | 1000   | 55,35 32     |
|        |          | 1100   | 11. 11. 6    |
|        |          | 1200   |              |
|        |          | 1300   |              |
|        |          | 1400   |              |
|        |          | 1500   |              |
|        |          | 1600   |              |
|        |          | 1700   |              |
|        |          | 1800   |              |
|        |          | 1900   |              |
|        |          | 2000   |              |
|        |          | 2100   |              |
|        |          | 2200   |              |

2100

| SOUNDIN | NG WIRE.   |        | DREDGI    | E ROPE.   |
|---------|------------|--------|-----------|-----------|
| DOWN.   | UP.        | TURNS. | DOWN.     | UP,       |
|         |            | 2500   | 1 -       | :6.6      |
|         | ,          | 2600   | i         | o.m.      |
| 1       |            | 2700   | 1000      | 1100      |
|         |            | 2800   |           | C.        |
|         |            | 2900   | Bus       | 29.51     |
|         |            | 3000   | The all   | 650       |
| 14      | 3. /       | 3100   |           | 0.5.00    |
|         |            | 3200   | Lar St    | 1020.36"7 |
|         |            | 3300   | 179       | 009:30"   |
|         | <i>\</i> , | 3100   | Dr. Hers. | nxto.     |
|         |            | 3500   |           |           |
|         |            | 3600   |           |           |
|         |            | 3700   |           |           |
|         |            | 3800   |           |           |
|         |            | 3900   |           |           |
|         | _          | 4000   |           |           |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR, TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| -100   |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

11-102

No. D. 4769 Date Genes, ...

Lucas Machine. Reel.

Turns Cor.+ Depth 244

Depth 244 gatte. Shot or lead 35 maid Signed Shot.

Bottom for 38,50 M.

No. of thermometer 10 8010

Corrected temperature 38.5°

Air 42° Surface 40° Drift

| SOUNDING WIRE. |        | DREDGE R   | OPE.  |
|----------------|--------|------------|-------|
| DOWN, 79 , UP. | TURNS. | DOWN, 71   | - UP. |
| 4 9 72         | 0      | 4-43-30:   |       |
| - 0 29-40      | 100    | . 75       |       |
| : 29-00        | 200    | 48         | 1.    |
| 11-25-20       | 200    | .4         |       |
|                | 400    | 11 - 1 - 1 | 1.    |
|                | 500    |            |       |
|                | 600    | 1000 8029  | 10    |
|                | 700    |            | .',   |
|                | 800    | . /        |       |
|                | 900    |            |       |
|                | 1000   |            |       |
|                | 1100   |            |       |
|                | 1200   |            |       |
|                | 1300   |            |       |
|                | 1400   |            |       |
|                | 1500   |            |       |
|                | 1600   |            |       |
|                | 1700   |            |       |
|                | 1800   |            |       |
|                | 1900   |            |       |
|                | 2000   |            |       |
|                | 2100   |            |       |
|                | 2200   |            |       |
|                | 2300   |            |       |
| 1              | 2400   |            |       |

| SOUNDIN | IG WIRE. |        | DREDG      | E ROPE.   |
|---------|----------|--------|------------|-----------|
| DOWN,   | UP.      | TURNS. | DOWN,      | UP.       |
|         |          | 2500   | ur 4.5     | 77.1      |
|         |          | 2600   | Weather    | Overcasi  |
|         |          | 2700   | Wind       | N.W 2     |
|         |          | 2800   | Se a       | Smooth    |
| - 1     | n .      | 2900   | Bar        | 29        |
|         |          | 3000   | Ther. Att. |           |
|         |          | 3100   | Dr. Course | N.XW.     |
|         |          | 3200   | Chart Used | C.S. 9100 |
|         |          | 3300   | Lat.       | 5-4030 40 |
|         |          | 3400   | Irona,     | 1790141 . |
|         |          | 3500   | Bearing    |           |
|         |          | 3600   |            |           |
| ,       |          | 3700   |            |           |
| /       |          | 3800   |            |           |
|         |          | 3900   |            |           |
|         |          | 4000   |            |           |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

No. 2 469 Date June

Machine. Reel.

Turns

Cor.+

Denth

Bottom

Shot or lead 30 ...

Bottom temperature

No. of thermometer Zeoul Cor.

Corrected temperature

Air 45 Surface 40 Drift

Travil or dredee

| SOUNDING WIRE. |        | DREDGE | ROPE |
|----------------|--------|--------|------|
| DOWN. DAT UP.  | TURNS. | DOWN.  | U1   |
|                | 0      |        |      |
| 1. 1.          | 100    |        |      |
| ,              | 200    |        |      |
| 5.             | 300    |        |      |
|                | 400    |        |      |
|                | 500    |        |      |
|                | 600    |        |      |
|                | 700    |        |      |
|                | 800    |        |      |
|                | 900    |        |      |
|                | 1000   |        |      |
|                | 1100   |        |      |
|                | 1200   |        |      |
|                | 1300   |        |      |
|                | 1400   |        |      |
|                | 1500   |        |      |
|                | 1600   |        |      |
|                | 1700   |        |      |
|                | 1800   |        |      |
|                | 1900   |        |      |
|                | 2000   |        |      |
|                | 2100   |        |      |
|                | 2200   |        |      |
|                | 2300   |        |      |
|                | 2400   |        | 1    |

| SOUNDI | NG WIRE. | 1      | DREDGE | ROPE. |
|--------|----------|--------|--------|-------|
| oown,  | UP.      | TURNS. | DOWN.  | UP    |
|        |          | 2500   |        |       |
|        |          | 2600   |        |       |
|        |          | 2700   |        |       |
|        |          | 2800   |        |       |
| 11.    |          | 2900   |        |       |
|        | ,        | 3000   |        |       |
|        |          | 3100   |        |       |
|        |          | 3200   |        |       |
|        |          | 3800   |        |       |
|        |          | 8400   |        |       |
|        |          | 3500   |        |       |
|        |          | 3600   |        |       |
| 1      |          | 3700   |        |       |
| M 10   |          | 3800   |        |       |
|        |          | 3900   |        |       |
|        |          | 4000   |        |       |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR, TEMP, |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              | 1    |            |
| 1000   |       |              |      |            |

11-1023

). 4771 Date 4 June 06

Anono Machine. Reel.

Turns Cor.+ Depth : Shot or lead 3 5 76. Ligo . Ligo .

Depth 426 Fas.

Bottom - The Sh.

Bottom temperature

Corrected temperature

No. of thermometer were weed Cor.

Air 34° Surface 40° Drift

| SOUNDING WIRE. |         |        | OM DREDGE ROPE. |        |  |
|----------------|---------|--------|-----------------|--------|--|
| DOWN.          | UP.     | TURNS. | DOWN.           | UP.    |  |
| 51.20          | 7.06.40 | 0      | 7               |        |  |
| 00.00          | : 05.45 | 100    | 11.5            |        |  |
| 00:40          | 0.5.10  | 200    | · : //3         | 11:    |  |
| 01.25          | 04.10   | 300    | ** 1            |        |  |
| 02.10          | 03.50   | 400    | 72.0%           | 4 .    |  |
| 02.20          | 7.03.30 | 500    | 1. 7.7          | . 11.  |  |
|                | •       | 600.   | 1: 1:           | ) · j' |  |
|                |         | 700    |                 | ,      |  |
|                |         | 800    |                 |        |  |
|                |         | 900    |                 |        |  |
|                |         | 1000   |                 |        |  |
|                |         | 1100   |                 |        |  |

| SOUNDI  | NG WIRE. |        | DREDGE         | ROPE.    |
|---------|----------|--------|----------------|----------|
| bown.   | ur.      | TURNS. | DOWN.          | UP.      |
|         |          | 2500   | .07.           |          |
|         | ٠,       | 2600   | 7              |          |
| 1. 1    |          | 2700   | :::1           | 1. 71. 3 |
| * *     |          | 2800   | Ć.,            |          |
| /       |          | 2900   | Sec.           | 201.00   |
|         |          | 3000   | and the second | 1,33     |
| - /\    | 1. :     | 3100   | -Cr64. 1       | 77 1. 3  |
| i).     |          | 3200   |                |          |
| ·       |          | 3800   | J              | 2.674    |
| /       | \        | 3400   | 4.             | 2'       |
|         | \        | 3500   | 1 * * .        |          |
| 1. :    |          | 3600   | -              |          |
| m(3., + | .7       | 3700   |                |          |
| ** .    | to.      | 3800   |                |          |
| ,       | 1.       | 3900   |                |          |
| 1.      | 1        | 4000   |                |          |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| . 800  |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

No. Istony Date land in 6 Lucas ! Machine! Reel. Depth But Cor.+Turns Cor.+ Depth.

Shot or lead - St. L. Legis. Cay

Bottom temperature 38.1

No. of thermometer 10 80 10 . Cor.

Corrected temperature 38.1

Air 400 Surface 400 Drift Trawl-or-dredge 12 ft Harries

| SOUNDING WIRE. |  | DREDGE ROPE. |
|----------------|--|--------------|
| DOWN. (A       | TURNS.   | DOWN. UP.    |
|                | 0 100 200 300 300 300 700 800 900 1000 1100 1200 1400                        |              |
|                | 1500<br>1600<br>1700<br>1800<br>1900<br>2000<br>2100<br>2200<br>2300<br>2100 |              |

| ROPE.      | DREDGE  |        | NG WIRE. | SOUNDI |
|------------|---------|--------|----------|--------|
| UP.        | DOWN.   | TURNS. | UP.      | DOWN.  |
|            | sales 1 | 2500   |          |        |
| 3400       |         | 2600   |          |        |
| SWW        | 1:      | 2700   |          |        |
| 1 1 1      |         | 2800   | 1.       |        |
| 17,        |         | 2900   | :·       |        |
| 1.         | 7/200   | 3000   | <b> </b> |        |
| 11         |         | 3100   |          |        |
|            |         | 3200   | ,        |        |
| 2. 3. 17   |         | 3300   |          | -      |
| 11/11/17/2 |         | 3400   |          | 1      |
| 1700 101   |         | 3500   |          | 100    |
|            |         | 3600   |          |        |
|            |         | 3700   |          |        |
|            |         | 3800   |          | c .    |
|            |         | 3900   |          | ) - 1  |
|            |         | 4000   |          |        |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR, TEMP, |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       | 3            |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

Date une 1

Machine. Reel.

Cor.+ Turns

Shot or lead

Depth 3. dies end

Bottom temperature

Bottom Li- Er. A

No. of thermometer

Corrected temperature

Cor.

Air 48 Surface

Drift

Trawl or dredge

| SOUNDIN | G WIRE. |        | DREDGE | ROPE. |
|---------|---------|--------|--------|-------|
| DOWN.   | UP.     | TURNS. | DOWN.  | UP.   |
|         |         | 0      |        |       |
| , ,     | 28 2    | 100    |        |       |
|         | 7. 1    | 200    |        |       |
|         | 1,1 "   | 300    |        |       |
|         |         | 1      |        |       |
|         |         | 400 .  |        |       |
|         |         | ,500   |        |       |
|         |         | 600    |        |       |
|         |         | 700    |        |       |
|         |         | 800    |        |       |
|         |         | 900    |        |       |
|         |         | 1000   |        |       |
|         |         | 1100   |        |       |
|         |         | 1200   |        |       |
|         |         | 1300   |        |       |
|         |         | 1400   |        |       |
|         |         | 1500   |        |       |
|         |         | 1600   |        |       |
|         |         | 1700   |        |       |
|         |         | 1800   |        |       |
|         |         | 1900   |        |       |
|         |         | 2000   |        |       |
|         |         | 2100   |        |       |
|         |         | 2200   |        |       |
|         |         | 2300   |        |       |
|         |         | 2100   |        |       |

| SOUNDING WIRE. |     |        | DREDGE | ROPE. |
|----------------|-----|--------|--------|-------|
| DOWN,          | UP. | TURNS. | DOWN.  | UP.   |
|                |     | 2500   |        |       |
|                |     | 2600   |        |       |
|                |     | 2700   |        |       |
| /              |     | 2800   |        |       |
|                |     | 2900   |        |       |
| - 70           | ζ.  | 3000   |        |       |
|                |     | 3100   |        |       |
|                |     | 8200   |        |       |
|                |     | 3300   |        |       |
|                |     | 3100   | ,      |       |
|                |     | 3500   |        |       |
|                |     | 3600   |        |       |
|                |     | 3700   |        |       |
|                |     | 3800   |        |       |
|                |     | 3900   |        |       |
|                |     | 4000   |        |       |

| DEPTH.  | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|---------|-------|--------------|------|------------|
| 25      |       |              |      |            |
| 50      |       |              |      |            |
| 100     |       |              |      |            |
| 200     |       |              |      |            |
| 300     |       |              |      |            |
| 400     |       |              |      |            |
| 500     |       |              |      |            |
| 600     |       |              |      |            |
| 700     |       |              |      |            |
| 800     |       |              |      |            |
| 900     |       |              |      |            |
| 1000    |       |              |      |            |
| 11-1023 |       | DEMADI       | 70.  | VI. ABSEL  |

(3507A · 1) · > 1 No. Il Land Date OLIN durens Machine. (Reel. Depth 338

Turns Cor.+ Depth Shot or lead 3 Ly Ligs. Cup.

Bottom / 4- 4. D

Bottom temperature 3

No. of thermometer 10 1010

Corrected temperature 3

Air + 6 Surface of

| SOUNDIN | G WIRE.       |        | DREDG | E ROPE. |
|---------|---------------|--------|-------|---------|
| bown.   | UP.           | TURNS. | powy. | UP.     |
| K 14    |               | 0      | ,     |         |
|         | -:            | 100    |       |         |
|         | 6 11          | 200    | 41.   | -       |
|         |               | 300    | 95%   |         |
|         | 5 (50)        | 400    | 71 .  |         |
|         |               | 1 500  | 1     | 1       |
|         |               | 600    |       |         |
|         |               | 700    |       |         |
|         |               | 800    |       |         |
|         |               | 900    |       |         |
|         |               | 1000   |       |         |
|         |               | 1100   |       |         |
|         |               | 1200   |       |         |
|         | T-Carrier Co. | 1300   |       |         |
|         | 1             | 1400   |       |         |
|         |               | 1500   |       |         |
|         |               | 1600   |       |         |
|         |               | 1700   |       |         |
|         |               | 1800   |       |         |
|         |               | 1900   |       |         |
|         |               | 2000   |       |         |
|         |               | 2100   |       |         |
|         |               | 2200   |       |         |
|         |               | 2300   |       |         |
|         | 1             | 2100   |       |         |

| 1 11 | SOUNDING WIRE. |        | DREDO | JE ROPE. |
|------|----------------|--------|-------|----------|
|      | UP.            | TURNS. | DOWN. | UP.      |
|      |                | 2500   |       | 1116     |
|      |                | 2600   |       | ,        |
|      |                | 2700   | 0.00  | 11/1/1/  |
| ٠.   |                | 2800   |       | ,        |
| V    |                | 2900   |       |          |
|      |                | 3000   | ,     | 1.       |
|      |                | 3100   |       | 11       |
|      |                | 3200   |       | 11       |
| /    | ,              | 3300   |       |          |
|      |                | 3100   |       |          |
|      |                | 3500   |       | 11, -    |
| -    |                | 3600   |       |          |
|      |                | 3700   |       |          |
|      |                | 3800   |       |          |
|      |                | 3900   |       |          |
|      |                | 4000   |       |          |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       | 7            |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |
| 111023 |       | 7217771777   |      |            |

Date

Lucas Machine. Reel. Lucas

Turns Cor.+ Depth 3-3-7 .

Shot or tead 35 and Single 1 Bottom - you Dil, selp No, Dare.

Bottom temperature 37.2

No. of thermometer / 0 8010

Cor.

Corrected temperature 37, 5

| 29-05 37-20 200 55-15 . 54-<br>30-05 26-20 800 55-25 51.2<br>3-35-40 400 2-01-45 45-6<br>32-30 34-50 500 . 4-45 44-4   |   | SOU  | NDI  | NG WIRE. |        | DREDGE       | ROPE.     |
|--|---|------|------|----------|--------|--------------|-----------|
| 2.5-10   |   | DOW. | N    | , . TP.  | TURNS. | DOWN,        | UP.       |
| 2,8-10 37-20 200 52-10 58-29 290 53-15 .54-20 30-20 30-20 300 55-15 .54-20 30-20 300 55-25 512 3-20 300 35-25 512 3-20 300 34-3-0 500 32-01-45 45-20 32-05 1-20 37-20 37-20 10-20 37-20 10-20 37-20 1000 1000 1000 1000 1200 castle & a c 1 Atheres 1000 1200 1200 1200 1200 1200 1200 120 |   | 27   | -15- | 1-39-15  | 0      | 1-48-50      | 3 -0 /-   |
| 30. 05 36-30 800 88.25 5.12<br>5 38-40 400 2-01-45 48-5<br>32-30 34-5-0 500 4-45 44-4<br>33-05 1-34-15 900 7-30 41-3<br>700 10-20 37-<br>800 2-13-15 2-33-1<br>900<br>1000 7 oured 20 min<br>1100 with 500 1400<br>1800<br>1400<br>1500<br>1600<br>1700                                    |   | 2,5' | -10  | ,38-15   | 100    |              | 5-8-1     |
| 32-30 34-5-0 500 32-05 /- 34-15- 500 700 10-20 37- 800 2-13-15-2-33-1 900 1000 1000 1000 1200 1200 1200 1200   | 2 | 29-  | 05-  | 37-20    | 200    | 55-15        | . 54-6    |
| 32-30 34-50 500 4-45 44-4 33-05/-34-15 500 700 10-20 37- 800 2-13-15 2-33-1 900 1100 2000 2000 1100 1200 2000 1200 1300 1400 1500 1600 1700  |   | 30-  | 05   | 26- 30   | 300    | 58.25        | 5:1 20    |
| 33-03 /- 34-15- 300 7-30 41-3 700 10-20 37- 800 2-13-15 2-33-1 900 1000 7 orued 20 min 1100 1200 1300 1400 1500 1600 1700  |   |      | 3"   | 135-40   | 400    | 2 - 01 - 4-5 | 48-0.     |
| 100 10-20 37-<br>800 2-13-15 2-33-1<br>900 1000 7 ound 20 min<br>1100 mith 5 or Inthe<br>1200 cable.   | 3 | 2-   | 30   | 34-5-0   |        | . 4-45       | 44-43     |
| 1000   2 - /3 - /5   2 - 33 - /<br>1000   7 overed 20 min<br>1100   emitth & co Inth-<br>1200   conste .   | 3 | 3 -  | 0.5  | 1-34-15  | -600   | 7-30         | 41-3      |
| 1000 7 over 20 min<br>1100 enith, & ac Inth.<br>1200 cuble.<br>1300<br>1400<br>1500<br>1600<br>1700  |   |      |      |          | 700    | 10-20        | 37-5      |
| 1000 7 over d 20 min<br>1100 anith & ac dath.<br>1200 caste.<br>1400<br>1500<br>1600<br>1700   |   |      |      |          | 800    | 2-13-15      | 2 - 38-13 |
| 1100 anieth & ac dath. 1200 caste. 1800 1400 1500 1600 1700  |   |      |      |          | 900    |              | •         |
| 1200 cable. 1300 1400 1500 1600 1700   |   |      |      |          | 1000   |              |           |
| 1800<br>1400<br>1500<br>1600<br>1700   |   |      |      |          | 1100   | unith 500    | Lath.     |
| 1400<br>1500<br>1600<br>1700   |   |      |      |          | 1200   | conste.      |           |
| 1500<br>1600<br>1700   |   |      |      |          |        |              |           |
| 1600   |   |      |      |          |        |              |           |
| 1700   |   |      |      |          |        |              |           |
|  |   |      |      |          |        |              |           |
| 1800   |   |      |      |          |        |              |           |
|  |   |      |      |          | 1800   |              |           |
|  |   |      |      |          |        |              |           |

| SOUNDIN | VG WIRE. |        | DREDGE      | ROPE.  |
|---------|----------|--------|-------------|--------|
| DOWN.   | UP.      | TURNS. | DOWN,       | UP.    |
|         |          | 2500   | 200         |        |
|         |          | 2600   |             |        |
|         |          | 2700   |             | 11. Ty |
| :       | ,        | 2800   | /*<br>1)    | 14.    |
|         |          | 2900   | 141         |        |
| 4.      |          | 3000   |             |        |
|         |          | 3100   | 1.11        | W      |
|         |          | 3200   | Chart 21sed |        |
|         |          | 3300   | Jul. 1      | 1 1    |
|         |          | 3100   | Long. 178   | WOE.   |
|         |          | 3500   |             |        |
|         |          | 3600   |             |        |
|         |          | 3700   |             |        |
|         |          | 3800   |             |        |
|         |          | 3900   |             |        |
|         |          | 4000   |             |        |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |
| 1023   |       |              |      |            |

No. 2. 4775 Date Presici 4/181 was Id, Machine. Reel. Depth 584 Fm Turns Cor.+Shot or lead 35# --9m. 711. BottomBottom temperature No. of thermometer Cor. Corrected temperature Air 43 Surface Drift Trawl or dredge 12 44 %. DREDGE ROPE. SOUNDING WIRE. TURNS. DOWN. P. UP. UP. 3-08-40 3-20 0 9-20 100 200 300 12-10 400 500 1-14- 05 2-15-16 600

| SOUNDIN | SOUNDING WIRE. |        | DREDGE ROPE. |                |
|---------|----------------|--------|--------------|----------------|
| DOWN,   | UP.            | TURNS. | DOWN,        | UP.            |
|         |                | 2500   | Willy        | om             |
|         |                | 2600   | 7773is       | 7/5/11 2       |
|         |                | 2700   | A .          |                |
| Ik.     | 5.1            | 2800   | Bar.         | 29.66          |
| er fin  | 5/             | 2900   | Ther. arts.  | 600<br>West./B |
|         | -t             | 8000   | Dr. Com      | West 18        |
| (       |                | 8100   |              |                |
|         |                | 3200   | Chart mes    | C.S. 9100      |
|         |                | 3300   | Let 500.     | 3'30" N        |
|         |                | 3400   | Long. 1780   | 44'E.          |
|         |                | , 8500 | -            |                |
|         | -6.            | 8600   |              |                |
| Ver.    | 1 6 0.         | 8700   |              |                |
| 9 101.1 |                | 8800   |              |                |
| Xion    |                | 8900   |              |                |
|         |                | 4000   |              |                |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR, TEMP, |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

11-102

No.

75 one Date

Machine. Reel.

Turns

Cor.+

Shot or lead

Depth

Bottom

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

SOUNDING WIRE.

Air

420 Surface 400 Drift

DREDGE ROPE.

Trant or dredge Inter \$1.211 frile, \$1 + 1

| Toolibria William |     | TURNS. | BILLEDGE HOLE. |           |  |
|-------------------|-----|--------|----------------|-----------|--|
| DOWN.             | UP. | TOMAS. | DOWN.          | UP.       |  |
|                   |     | 0      | V. 7.29        | 37 .      |  |
|                   |     | 100    | 00.15          |           |  |
|                   |     | 200    | 03.55          | · · · ·   |  |
|                   |     | -300   |                | 7.77.     |  |
|                   |     | 400    |                |           |  |
|                   |     | 500    |                |           |  |
|                   |     | 600    | at am'ap       | proxima   |  |
|                   |     | 700    | China in       |           |  |
|                   |     | 800    | 17500          | ouris and |  |
|                   |     | 900    | 1              |           |  |
|                   |     | 1000   |                |           |  |
|                   |     | 1100   |                |           |  |
|                   |     | 1200   |                |           |  |
|                   |     | 1300   |                |           |  |
|                   |     | 1400   |                |           |  |
|                   |     | 1500   |                |           |  |
|                   |     | 1600   |                |           |  |
|                   |     | 1700   |                |           |  |
|                   |     | 1800   |                |           |  |
|                   |     | 1900   |                |           |  |
|                   |     | 2000   |                |           |  |
|                   |     | 2100   |                |           |  |
|                   |     | 2200   |                |           |  |
|                   |     | 2300   |                |           |  |
|                   |     | 2400   |                |           |  |

| SOUNDIN | NG WIRE. |        | DREDGE ROPE.                          |         |
|---------|----------|--------|---------------------------------------|---------|
| DOWN.   | UP.      | TURNS. | DOWN.                                 | UP.     |
|         |          | 2500   | 1/1/2                                 | One     |
|         |          | 2600   | ., :,\                                | www.    |
|         |          | 2700   | 7.                                    | 2,      |
|         |          | 2800   | Ale.                                  | 2-1.45  |
|         | ,        | 2900   | 1711                                  | 140     |
| 7       |          | 3000   | r. drago                              | 777215  |
|         |          | 3100   |                                       |         |
|         |          | 3200   | · · · · · · · · · · · · · · · · · · · |         |
|         |          | 3300   | 47                                    | . 20 cm |
|         |          | 3400   | Y                                     |         |
|         |          | 3500   |                                       |         |
| 1       | -0 7 -   | 3600   |                                       | 1 0     |
|         |          | 3700   |                                       |         |
| t       |          | 3800   |                                       |         |
|         |          | 3900   |                                       |         |
|         |          | 4000   |                                       |         |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR, TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 800    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

No. F. 4852, Date 4 Three 06.

 $Cor_* +$ Turns

Bottom gn. br. M

Shot or lead Cingra Wing and Com

Bottom temperature . Land 39

No. of thermometer 108010 . Cor.

Corrected temperature 34.°(?)

Air 400 Surface 400 Drift

Trawl or dredge

| SOUNDIN                  | NG WIRE. |                       | DREDGE | ROPE. |
|--------------------------|----------|-----------------------|--------|-------|
| DOWN.                    | UP.      | TURNS.                | DOWN.  | UP.   |
| (C), (Vo                 | 7.15.00  | 0                     |        |       |
| 713,                     | 14.30    | 100                   |        |       |
| 1200                     | 13.55    | 200                   |        |       |
| ~:                       | 13.10    | 300                   |        |       |
|                          | 12.30    | 400                   |        |       |
|                          | 11.50    | 500                   |        |       |
| : 7.75                   | 11.00    | 600                   |        |       |
| .57 00                   | 10.20    | 700                   |        |       |
| 18.55                    | 09.30    | 800                   |        |       |
|                          | 08.50    | 900                   |        |       |
| 3/.43                    | 08.00    | 1000                  |        |       |
| 63.19                    | 07.10    | 1100                  |        |       |
| 35 ( ) ;<br>( ) 45 ( ) ; | 7.06.00  | 1200<br>/226<br>-1800 |        |       |
|                          | *        | 1400                  |        |       |
|                          |          | 1500                  |        |       |
|                          |          | 1600                  |        |       |
|                          |          | 1700                  |        |       |
|                          |          | 1800                  |        |       |
|                          |          | 1900                  |        |       |
|                          |          | 2000                  |        |       |
|                          |          | 2100                  |        |       |
|                          |          | 2200                  |        |       |
|                          |          | 2300                  |        |       |
|                          |          | 2400                  |        |       |

| SOUNDIN | G WIRE. |        | DREDGE ROPE. |          |  |
|---------|---------|--------|--------------|----------|--|
| DOWN.   | UP.     | TURNS. | DOWN.        | UP.      |  |
|         |         | 2500   | 1            | 3.       |  |
|         |         | 2600   | 1            | , 2, , , |  |
|         |         | 2700   | 7-1          | ٠        |  |
| 1       |         | 2800   |              |          |  |
|         |         | 2900   | 0.4          | /        |  |
|         |         | 3000   | 1 1 1        |          |  |
|         |         | 3100   |              |          |  |
|         |         | 3200   |              |          |  |
|         |         | 3300   |              |          |  |
|         |         | 3100   | 1            | -        |  |
|         |         | 3500   |              |          |  |
| 1.      |         | 3600   |              |          |  |
| / 1     |         | 3700   |              |          |  |
|         |         | 3800   |              |          |  |
|         |         | 3900   |              |          |  |
|         |         | 4000   |              |          |  |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

Depth / 7

/ Machine. Reel.

Turns . Cor.+

Shot or lead 35th , Ligo lup.

Bottom tir. M.

Bottom temperature

No. of thermometer 10 8010 Cor. Trong

Corrected temperature

39° Surface 40° Air

Trawl or dredge

| SOUNDING WIRE.                          |  | DREDGE | ROPE. |
|---|--|--------|-------|
| DOWN. UP.                               | TURNS.   | DOWN.  | ÚP.   |
|   | TURNS.  0 100 200 300 400 500 600 800 900 1000   | DOWN.  | ÚP.   |
| 2 2 1 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 | 1100<br>1200<br>1300<br>1400<br>1500<br>1600<br>1700<br>1800<br>1900<br>2000<br>2100<br>2200<br>2300<br>2400 |        |       |

| SOUNDI | NG WIRE. | TURNS. | DREDGI | E ROPE. |
|--------|----------|--------|--------|---------|
| DOWN.  | UP.      |        | DOWN.  | UP.     |
|        |          | 2500   | 7      | _ 1.1   |
|        |          | 2600   |        | J       |
|        |          | 2700   | 12.5.0 | d       |
|        |          | 2800   | 211    | _       |
| ,      | c        | 2900   |        | -1.     |
| 45 T   |          | 3000   | 1,000  | 1))     |
|        |          | 3100   |        |         |
|        |          | 3200   | 7:04   | · t ·   |
|        |          | 3300   | -90    | 11 . *  |
|        |          | 3400   | Fig. 6 | 11.     |
|        |          | 3500   | i      |         |
|        |          | 3600   |        |         |
|        |          | 3700   |        |         |
| 1      |          | 3800   |        |         |
|        |          | 3900   |        |         |
|        |          | 4000   |        |         |

| DEPTH.  | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|---------|-------|--------------|------|------------|
| 25      |       |              |      |            |
| 50      |       |              |      |            |
| 100     |       |              |      |            |
| 200     |       |              |      |            |
| 300     |       |              |      |            |
| 400     |       |              |      |            |
| 500     |       |              |      |            |
| 600     |       |              |      |            |
| 700     |       |              |      |            |
| 800     |       |              |      |            |
| 900     |       |              |      |            |
| 1000    |       |              |      |            |
| 11-1023 |       | DEMADE       | 70.  |            |

H- Uf 5. 4 Date June 5, 1906 a Machine. Rect. Lucas

Cor.+Depth 702 fo Turns

Shot or lead 60 lh. and

Bottom ere gn- Er S.

Bottom temperature

No. of thermometer / 080/0 Cor. Corrected temperature 36.5°

41 Surface 40 Drift Air

Trawl or dredge

| SOUNDING WIRE. |            |      | DREDGE | ROPE |
|----------------|------------|------|--------|------|
| DOWN,          | UP. TURNS. |      | DOWN.  | UP   |
|                | 7.1.       | 0    |        |      |
|                | /          | 100  |        |      |
| 1              |            | 200  |        |      |
|                |            | 800  |        |      |
|                |            | 400  |        |      |
|                |            | 500  |        |      |
|                | ,          | 600  |        |      |
|                |            | 700  |        |      |
|                |            | 800. |        |      |
|                |            | 900  |        |      |
|                |            | 1000 |        |      |
|                |            | 1100 |        |      |
|                |            | 1200 |        |      |
| •              |            | 1300 |        |      |
|                |            | 1400 |        |      |
|                |            | 1500 |        |      |
|                |            | 1600 |        |      |
|                |            | 1700 |        |      |
|                |            | 1800 |        |      |
|                |            | 1900 |        |      |
|                |            | 2000 |        |      |
|                |            | 2100 |        |      |
|                |            | 2200 |        |      |
|                |            | 2300 |        |      |
|                |            | 2100 |        |      |

| SOUND                    | ING WIRE.                             |            | DREDGE | ROPE. |
|--------------------------|---------------------------------------|------------|--------|-------|
| DOWN.                    | UP.                                   | TURNS.     | DOWN.  | UP    |
| P. L.                    | 81.6                                  | 2500       |        |       |
| at,                      | 5-205-03                              | 0 " N 2600 |        |       |
| 112                      | 5-2° 5-0' 3<br>179° 26''<br>C.S. 9100 | Z 2700     |        |       |
| hast                     | C.S. 9100                             | 2800       |        |       |
|                          |                                       | 2900       |        |       |
|                          |                                       | 3000       |        |       |
| nh.                      |                                       | 3100       |        |       |
|                          |                                       | 3200       |        |       |
| 10                       | 17                                    | . 8800     |        |       |
| ħ.                       | 1                                     | 8400       |        |       |
| 6                        |                                       | 8500       |        |       |
|                          | - 100                                 | 8600       |        |       |
| 5/ .                     | 1206                                  | 8700       |        |       |
| Var. 1                   | -                                     | 8800       |        |       |
| Me " Parties of the last |                                       | 8900       |        |       |
| 1                        |                                       | 4000       |        |       |

| DEPTH.  | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|---------|-------|--------------|------|------------|
| 25      |       |              |      |            |
|         |       |              |      |            |
| 50      |       |              |      |            |
| 100     |       |              |      |            |
| 200     |       |              |      |            |
| 300     |       |              |      |            |
| 400     |       |              |      |            |
| 500     |       |              |      |            |
| 600     |       |              |      |            |
| 700     |       |              |      |            |
| 800     |       |              |      |            |
| 900     |       |              |      |            |
| 1000    |       |              |      |            |
| 11-1023 |       |              |      |            |

485-5- Date Vacano 5-/06

Lucas Machine. Reel. Luca Turns Cor.+ Depth 842 Depth 842 Shot or least 35-lh, & Sigebel cup.

P. L.

Bottom No spee - Last sig. eup.

Bottom temperature Lass sterm # 1080/6

No. of thermometer 108010

Corrected temperature Air 42° Surface 40° Drift

| SOUNDING WIRE.                        |        |       | DREDGE | DREDGE ROPE. |  |
|---------------------------------------|--------|-------|--------|--------------|--|
| DOWN. A. M. UP.                       | TURNS. | DOWN. | UP,    |              |  |
| 77 1 1 1 1/4                          | 31     | 5-5-  |        |              |  |
| · · · · · · · · · · · · · · · · · · · |        | 100   |        |              |  |
| 130 - 33                              |        | 200   |        |              |  |
| . ' L'!' 22                           | 1      | 300   |        |              |  |
| 3                                     | 3.75   | 400   |        |              |  |
|                                       | i i    | 500   |        |              |  |
|                                       | ,      | G00   |        |              |  |
|                                       | 100    | 700   |        |              |  |
| 1.0                                   |        | 800   |        |              |  |
| -38- 30 8-39-                         | 35     | 900-  |        |              |  |
| Vire carried as                       |        | 1000  |        |              |  |
| at 55 Ka .                            |        | 1100  |        |              |  |
| her and line                          | Bec !  | 1200  |        |              |  |
| counding out,                         |        | 1800  |        |              |  |
| drag the re; st                       | Frey   | 1400  |        |              |  |
|                                       |        | 1500  |        |              |  |
|                                       |        | 1600  |        |              |  |
|                                       |        | 1700  |        |              |  |
|                                       |        | 1800  |        |              |  |
|                                       |        | 1900  |        |              |  |
|                                       |        | 2000  |        |              |  |
|                                       |        | 2100  |        |              |  |
|                                       |        | 2200  |        |              |  |
|                                       |        | 2300  |        |              |  |
|                                       | Ď      | 2100  |        |              |  |

| SOUNDIN | NG WIRE.   |        | DREDGE | ROPE. |
|---------|------------|--------|--------|-------|
| DOWN.   | UP.        | TURNS. | DOWN.  | UP    |
| 47      | 1.2° . 1'4 | 2500   |        |       |
| , ,     | I.E.       | 2600   |        |       |
| .77     | Ó. 44.     | 2700   |        |       |
| ٧.      | 1110       | 2800   |        |       |
|         | ,          | 2900   |        |       |
|         |            | 3000   |        |       |
|         |            | 3100   |        |       |
|         |            | 3200   |        |       |
|         |            | 3300   |        |       |
|         |            | 3400   |        |       |
|         |            | 3500   |        |       |
|         |            | 3600   |        | 1     |
|         |            | 3700   |        |       |
| ,       | 13         | 3800   |        |       |
|         |            | 3900   |        |       |
|         |            | -1000  |        |       |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

(No. H. 4856 Date June 5, 1906

Turns Cor.+

Cor.+ Depth 898 fath.

Shot or load 35 mand ligeby cup.

Bottom temperature 36.0

No. of thermometer / 080/9 Cor. -0,/

Corrected temperature 33.9

Air 4/° Surface 40° Drift

Trawl or dreds

| SOUNDING WIRE. |       |        | DREDGE ROPE |    |
|----------------|-------|--------|-------------|----|
|                |       | TURNS. | DOWN.       | UP |
| 111. 13        | 9     | 0      |             |    |
| 3 1 , 10       | 36 -  | 100    |             |    |
|                | 11 /  | 200    |             |    |
|                |       | 300    |             |    |
|                |       | 400    |             |    |
| 11 2 2,0       | ay    | 500    |             |    |
| -1 -1          | -1 -1 | 600    |             |    |
| ¥0 · · ·       | 11 11 | 700    |             |    |
|                | 114   | 800    |             |    |
| 25             | 7     | -000:  |             |    |
|                | /     | 1000   |             |    |
|                |       | 1100   |             |    |
|                |       | 1200   |             |    |
|                |       | 1300   |             |    |
|                |       | 1400   |             |    |
|                |       | 1500   |             |    |
|                |       | 1600   |             |    |
|                |       | 1700   |             |    |
|                |       | 1800   |             |    |
|                |       | 1900   |             |    |
|                |       | 2000   |             |    |
|                |       | 2100   |             |    |
|                |       | 2200   |             |    |
|                |       | 2300   |             |    |
| i              |       | 2400   |             |    |

| SOUNDING WIRE. |           | 1       | DREDGE | ROPE. |
|----------------|-----------|---------|--------|-------|
| DOWN,          | UP.       | TURNS.  | DOWN,  | UP.   |
| , i. ,         | 372 (237) | ,U 2500 |        |       |
| A. 4           | 1700      | 2600    |        |       |
| !-             | 2.        | 2700    |        |       |
|                | 1.        | 2800    |        |       |
|                | ,         | 2900    |        |       |
|                |           | 3000    |        |       |
|                |           | 3100    |        |       |
| . 1            |           | 3200    |        |       |
| ,              | 0 /       | 3800    |        |       |
| 1.             |           | 3400    |        |       |
| .1             |           | 3500    |        |       |
| ,              |           | 3600    |        |       |
|                | - 8       | 3700    |        |       |
|                |           | 3800    |        |       |
|                |           | 8900    |        |       |
|                |           | 4000    |        |       |

| DEPTH.     | - TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|------------|---------|--------------|------|------------|
| 25         |         |              |      |            |
| 50         |         |              |      |            |
| 100        |         |              |      |            |
| 200        |         |              |      |            |
| 300        |         |              |      |            |
| 400        |         |              |      |            |
| 500        |         |              |      |            |
| 600        |         |              |      |            |
| 700        |         |              |      |            |
| 800<br>900 |         |              |      |            |
| 1000       |         |              |      |            |

No. 17 4857 Date June 5, 1906 Lucas Machine. Rect. Lucas Depth 324 Latte Cor.+

Shot or lead 35 lb, and Ligaber Call. Bottom Pire St. S.; Westoins

Bottom temperature 39./0

No. of thermometer 1080/9 Cor. -0./°

Corrected temperature 39.°

Air 4/° Surface 40° Drift

| SOUNDING WIRE, |              | TURNS.     | DREDGE ROPE. |    |
|----------------|--------------|------------|--------------|----|
|                |              |            | DOWN,        | UP |
| 1,             |              | 0          |              |    |
|                | 1.5          | 100        |              |    |
| ,              |              | 200        |              |    |
|                |              | 300<br>400 |              |    |
|                |              | 500        |              |    |
|                |              | G00        |              |    |
|                | 1            | 700        |              |    |
|                |              | 800        |              |    |
|                |              | 900        |              |    |
|                |              | 1000       |              |    |
|                |              | 1100       |              |    |
|                |              | 1200       |              |    |
|                | a management | 1800       |              |    |
|                |              | 1400       |              |    |
|                |              | 1500       |              |    |
|                |              | 1600       |              |    |
|                |              | 1700       |              |    |
|                | İ            | 1800       |              |    |
|                |              | 1900       |              |    |
|                | ĺ            | 2000       |              |    |
|                |              | 2100       |              |    |
|                |              | 2200       |              |    |
|                |              | 2300       |              |    |
| 1              |              | 2400       |              |    |

| SOUNDI | NG WIRE.                   |         | DREDGE  | ROPE. |
|--------|----------------------------|---------|---------|-------|
| DOWN.  | UP.                        | TURNS.  | . DOWN, | UP,   |
| P.L.   | 3,6                        | 2500    |         |       |
| Lat    | 52019'30"                  | 7. 2600 |         |       |
| 20118  | 52° 29' 30"<br>179° 35' E. | 2700    |         |       |
|        |                            | 2800    |         |       |
| Chart  | 6.1.9100                   | 2900    |         |       |
|        |                            | 3000    |         |       |
|        |                            | 3100    |         |       |
| 7      |                            | 3200    |         |       |
| Cl.K.  |                            | 8800    |         |       |
| (/)    | 4                          | 3400    |         |       |
| Z. M.  | .5.                        | 8500    |         |       |
|        | for                        | 3600    |         |       |
|        |                            | 3700    |         |       |
| 1      | 150 6-                     | 8800    |         |       |
| lar.   |                            | 8900    |         |       |
|        |                            | 4000    |         |       |

| DEPTH. | TEMP. | NO, OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

No.44858 Date anne &

T. N. Machine. / Reel. T.

Turns / 2 2 Cor.+ ... Depth 48

Shot-or lead T.B. Talke

Bottom Rolly 21 to Speciment inducted &

Bottom temperature 74

No. of thermometer flowe. Cor.

Corrected temperature

Air 4/4 Surface 46 Drift

| SOUNDING WIRE.  |        | DREDGE ROPE |    |
|-----------------|--------|-------------|----|
| DOWN. A. W. UP. | TURNS. | DOWN.       | UP |
| 06-00 11-11-00  | 0      |             |    |
| 6-40 +1-6-57    | 100    |             |    |
|                 | 300    |             |    |
|                 | 400    |             |    |
|                 | 500    |             |    |
|                 | 600    |             |    |
|                 | 700    |             |    |
|                 | 800    |             |    |
|                 | 900    |             |    |
|                 | 1000   |             |    |
|                 | 1100   |             |    |
|                 | 1200   |             |    |
|                 | 1300   |             |    |
|                 | 1400   |             |    |
|                 | 1500   |             |    |
|                 | 1600   |             |    |
|                 | 1700   |             |    |
|                 | 1800   |             |    |
|                 | 1900   |             |    |
|                 | 2000   |             |    |
|                 | 2100   |             |    |
|                 | 2200   |             |    |
|                 | 2300   |             |    |
|                 | 2:100  |             |    |

| SOUNDING WIRE. |        | DREDGE | ROPE. |
|----------------|--------|--------|-------|
| DOWN. UP.      | TURNS. | DOWN,  | UP.   |
| , , , ,        | 2500   |        |       |
| 1 50 06 20 4   | 2600   |        |       |
| 11/2 12 0.     | 2700   |        |       |
| enti Per       | 2800   |        |       |
| :              | 2900   |        |       |
|                | 3000   |        |       |
|                | 3100   |        |       |
| Α .            | 3200   |        |       |
|                | 3300   |        |       |
| ( ', * -       | 3100   |        |       |
| t .            | 3500   |        |       |
|                | 3600   |        |       |
|                | 3700   |        |       |
|                | 3800   |        |       |
|                | 3900   |        |       |
|                | 4000   |        |       |

| DEPTH, | TEMP. | NO. OF THER. | COR. | . COR. TEMP. |
|--------|-------|--------------|------|--------------|
| 25     |       |              |      |              |
| 50     |       |              |      |              |
| 100    |       |              |      |              |
| 200    |       |              |      |              |
| 300    |       |              |      |              |
| -100   |       |              |      |              |
| 500    |       |              |      |              |
| 600    |       |              |      |              |
| 700    |       |              |      |              |
| 800    |       |              |      |              |
| 900    |       |              |      |              |
| 1000   |       |              |      | ,            |

No. 1: 859 Date June 5- 1916 Machine. Recl. 7. N. T.1V.

Depth 73 frans Turns 140 Cor.+

Shot-or-lead T.B. Tribes Bottom RK1(2) (No spermen; arriving undertil

Bottom temperature

No. of thermometer Tions Cor.

Corrected temperature

Air 42° Surface 46° Drift

| SOUNDING WIRE.  |        | DREDGE ROPE |    |  |
|-----------------|--------|-------------|----|--|
| DOWN. A I C UP. | TURNS. | DOWN.       | UP |  |
|                 | . 0    |             |    |  |
|                 | -100   |             |    |  |
| 70              | 200    |             |    |  |
|                 | 300    |             |    |  |
|                 | 400    |             |    |  |
|                 | 500    |             |    |  |
|                 | 600    |             |    |  |
|                 | 700    |             |    |  |
|                 | 800    |             |    |  |
|                 | 900    |             |    |  |
|                 | 1000   |             |    |  |
|                 | 1100   |             |    |  |
|                 | 1200   |             |    |  |
|                 | 1300   |             |    |  |
|                 | 1400   |             |    |  |
|                 | 1500   |             |    |  |
|                 | 1600   |             |    |  |
|                 | 1700   |             |    |  |
|                 | 1800   |             |    |  |
|                 | 1900   |             |    |  |
|                 | 2000   |             |    |  |
|                 | 2100   |             |    |  |
|                 | 2200   |             |    |  |
|                 | 2300   |             |    |  |

| SOUNDI  | NG WIRE.    |       | DREDGE | ROPE |
|---------|-------------|-------|--------|------|
| DOWN.   | UP.         | TURNS | DOWN.  | Ul   |
| A.      |             | 2500  |        |      |
| ., . 4; | Sand or     | 2600  |        |      |
| , 57    | 10200 10 11 | 2700  |        |      |
|         | 171 300 5   | 2800  |        |      |
| 1       | ,           | 2900  |        |      |
|         |             | 3000  |        |      |
|         |             | 3100  |        |      |
|         | 1 5         | 3200  |        |      |
| , t     | 100         | 3300  |        |      |
| 1       |             | 3400  |        |      |
|         | <i>;</i> '  | 3500  |        |      |
|         | ,           | 3600  |        |      |
| · . 1.  | 1, 0        | 3700  |        |      |
| ,       |             | 3800  |        |      |
|         |             | 3900  |        |      |
|         |             | 4000  |        |      |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR, TEMP.   |
|--------|-------|--------------|------|--|
| 25     |       |              |      |  |
| 50     |       |              |      |  |
| 100    |       |              |      |  |
| 200    |       |              |      |  |
| 300    |       |              |      |  |
| 400    |       |              |      |  |
| 500    |       |              |      |  |
| 600    |       |              |      |  |
| 700    |       |              |      |  |
| 800    |       |              |      |  |
| 900    |       |              |      |  |
| 1000   |       |              |      |  |
| 1-1023 |       | DESCADE      | 701  | The second secon |

No. 4.4860

No. H. 4860 Date Vine 5-106

Maci

Machine. \( \textit{Reel.} \)

Turns /3-4 Cor.+

Depth. \$5 (3) fms.

Shot or lead T.B. Tubes.

Bottom Sml. G.

 $Bottom\ temperature$ 

No. of thermometer Hone

 ${\it Corrected\ temperature}$ 

0071

Air 440 Surface 40° Drift

Trawl or dredge

| SOUNDING WIRE.   |        | DREDO | E ROPE. |
|------------------|--------|-------|---------|
| DOWN. A. JA- UP. | TURNS. | DOWN, | UP.     |
| 1-45-00 11,52    | 0      |       |         |
| 1-45-40 11-46-0  | 100    |       |         |
|                  | 200    |       |         |
|                  | 300    |       |         |
|                  | 400    |       |         |
|                  | 500    |       |         |
|                  | 600    |       |         |
|                  | 700    |       |         |
|                  | 800    |       |         |
|                  | 900    |       |         |
|                  | 1000   |       |         |
|                  | 1100   |       |         |
|                  | 1200   |       |         |
|                  | 1300   |       |         |
|                  | 1400   |       |         |
|                  | 1500   |       |         |
|                  | 1600   |       |         |
|                  | 1700   |       |         |
|                  | 1800   |       |         |
|                  | 1900   |       |         |
|                  | 2000   |       |         |
|                  | 2100   |       |         |
|                  | 2200   |       |         |
|                  | 2300   |       |         |
|                  | 2:100  |       |         |

| SOUNDIN   | NG WIRE. |           | DREDGE  | ROPE. |
|-----------|----------|-----------|---------|-------|
| DOWN.     | UP.      | TURNS.    | DOWN.   | UP.   |
| 1.        |          | 2500      | 10      | ',    |
|           |          | 2600      | Cost .  | 2.5   |
| · (:   ÷2 | 2700     | ed. Or    | ^. 4.1. |       |
|           | 2800     | Long. 179 | .39.E   |       |
|           | 2900     |           |         |       |
|           | 3000     |           |         |       |
|           | 3100     |           |         |       |
| 1 ( )     |          | 3200      |         |       |
| ć ·       |          | 3300      |         |       |
|           |          | 3400      |         |       |
|           |          | 3500      |         |       |
|           |          | 3600      |         |       |
|           | 3700     |           |         |       |
|           |          | 3800      |         |       |
|           |          | 3900      |         |       |
|           |          | 4000      |         |       |

| DEPTH.  | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|---------|-------|--------------|------|------------|
| 25      |       |              |      |            |
| 50      |       |              |      |            |
| 100     |       |              |      |            |
| 200     |       |              |      |            |
| 300     |       |              |      |            |
| 400     |       |              |      |            |
| 500     |       |              |      |            |
| 600     |       |              |      |            |
| 700     |       |              |      |            |
| 800     |       |              |      |            |
| 900     |       |              |      |            |
| 1000    |       |              |      |            |
| 11-1023 |       | DESCAD       | 170. |            |

No. H. 4861. Date 5 June, 06. T. N. Machine. Reel.

Turns // O Cor.+ Depth 56 Fm.

Shot or lend 7. 3. ..

Bottom TK S.P.

Bottom temperature

No. of thermometer none wes Cor.

Corrected temperature

Air 440 Surface 400 Drift

Trawl or dredge

| SOUNDING WIRE.     |                | DREDGE | ROPE. |
|--------------------|----------------|--------|-------|
| DOWN. UP.          | TURNS.         | DOWN.  | UP    |
| 12.09.25 12.11.50  | 0              |        |       |
| 7 1 No 19 19 19 19 | √ , 100<br>200 |        |       |
|                    | 300            |        |       |
|                    | 400            |        |       |
|                    | 500            |        |       |
|                    | 600            |        |       |
|                    | 700            |        |       |
|                    | 800            |        |       |
|                    | 900            |        |       |
|                    | 1000           |        |       |
|                    | 1100           |        |       |
|                    | 1200           |        |       |
|                    | 1300           |        |       |
|                    | 1400           |        |       |
|                    | 1500           |        |       |
|                    | 1600           |        |       |
|                    | 1700           |        |       |
|                    | 1800           |        |       |
|                    | 1900           |        |       |
|                    | 2000           |        |       |
|                    | 2100           |        |       |
|                    | 2200           |        |       |
|                    | 2300           |        |       |
|                    | 2400           |        |       |

| SOUND | NG WIRE. |        | DREDGE                       | ROPE.   |
|-------|----------|--------|------------------------------|---------|
| DOWN, | UP.      | TURNS. | DOWN,                        | UP.     |
|       |          | 2500   | 3                            | 15.6    |
|       |          | 2600   | Chart                        | 0.5.910 |
|       |          | 2700   | Lat. 52                      | 16:300  |
| DA".  | 12.      | 2800   | Chut<br>Lat, 52<br>Jong. 179 | 040.20" |
| ''    |          | 2900   |                              |         |
|       |          | 3000   |                              |         |
|       |          | 3100   |                              |         |
| -     |          | 3200   |                              |         |
|       |          | 3300   |                              |         |
|       | - 3      | 3400   |                              |         |
|       |          | 3500   |                              |         |
| 0.4   |          | 3600   |                              |         |
|       |          | 3700   |                              |         |
|       |          | 3800   |                              |         |
|       |          | 3900   |                              |         |
|       |          | -1000  |                              |         |

| DEPTH, | TEMP. | NO, OF THER, | COR. | COR, TEMP, |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

(No. 7. 4862 Date 5 Trune, 06. 7. JV Machine. Reel.

Turns 98 Cor.+ Depth 5/ fins. Shot or lead T. B. Sinter + take.

Bottom Thy. 3th. Sh.

Bottom temperature

No. of thermometer none med Cor.

Corrected temperature

Air 440 Surface . 400 Drift

Trawl, or dredge

| SOUNDI | NG WIRE. |        | DREDGE | ROPE. |
|--------|----------|--------|--------|-------|
| DOWN.  | UP,      | TURNS. | DOWN.  | UP.   |
|        | 12:01 6  | 0      |        |       |
| 1. "   | 1:1:1    | . 100  |        |       |
|        |          | 200    |        |       |
|        |          | 300    |        |       |
|        |          | 400    |        |       |
|        |          | 500    |        |       |
|        |          | 600    |        |       |
|        |          | 700    |        |       |
|        |          | 800    |        |       |
|        |          | 900    |        |       |
|        |          | 1000   |        |       |
|        |          | 1100   |        |       |
|        |          | 1200   |        |       |
|        |          | 1300   |        |       |
|        |          | 1400   |        |       |
|        |          | 1500   |        |       |
|        |          | 1600   |        |       |
|        |          | 1700   |        |       |
|        |          | 1800   |        |       |
|        |          | 1900   |        |       |
|        |          | 2000   |        |       |
|        |          | 2100   |        |       |
|        |          | 2200   |        |       |
|        |          | 2300   |        |       |
|        |          | 2-100  |        |       |

| SOUNDIN | SOUNDING WIRE. |        | DREDGE | ROPE.       |
|---------|----------------|--------|--------|-------------|
| DOWN.   | UP.            | TURNS. | DOWN.  | . UP.       |
|         |                | 2500   |        | ,           |
|         |                | 2600   | · 14.  | -11 39      |
|         |                | 2700   | . 4    | 1. 1. 1. 2. |
|         |                | 2800   | 1/2:   |             |
|         |                | 2900   |        |             |
| . '/    |                | 3000   |        |             |
|         |                | 3100   |        |             |
|         |                | 3200   |        |             |
|         | 30             | 3300   |        |             |
| ~       |                | 3-100  |        |             |
|         | ′ /            | 3500   |        |             |
|         |                | 3600   |        |             |
|         |                | 3700   |        |             |
|         |                | 3800   |        |             |
|         |                | 3900   |        |             |
|         |                | 4000   |        |             |

| DEPTH.  | TEMP. | NO. OF THER. | COR. | COR, TEMP.   |
|---------|-------|--------------|------|--|
| 25      |       |              |      |  |
| 50      |       |              |      |  |
| 100     |       |              |      |  |
| 200     |       |              |      |  |
| 300     |       |              |      |  |
| 400     |       |              |      |  |
| 500     |       |              |      |  |
| 600     |       |              |      |  |
| 700     |       |              |      |  |
| 800     |       |              |      |  |
| 900     |       |              |      |  |
| 1000    |       |              |      |  |
| 11-1023 |       | DEMARI       | 70.  | William Co. March and St. St. Co. Co. Co. Co. Co. Co. Co. Co. Co. Co |

No. O Voris Date

7. N. Machine. Reel.

Turns 50 Cor.+ Depth 50 Fines Shot or lead 7.18. Cinker of the

Bottom Th. S. Thy St

Bottom temperature

No. of thermometer The Con

Corrected temperature

Air 440 Surface 410 Drift

Trawl or dredge Trinner 12 - ft.

| SOUNDING WI |            | - DREDGE | ROPE. |
|-------------|------------|----------|-------|
| DOWN. I     | JP. TURNS. | DOWN.    | UP.   |
| 53.30 12.3  | 8.00 0     | 1.01.00  | 1.27: |
| = 1= 7.     | . '= = 400 | 7        | 4: .  |
|             | 200        |          |       |
| -2.11       | 300        |          |       |
|             | 400        | 1 1      | 1     |
|             | 500        | 5/00,    | 12.   |
|             | 600        |          |       |
|             | 700        |          |       |
|             | 800        |          |       |
|             | 900        |          |       |
|             | 1000       |          |       |
|             | 1100       |          |       |
|             | 1200       |          |       |
|             | 1300       |          |       |
|             | 1400       |          |       |
|             | 1500       |          |       |
|             | 1600       |          |       |
|             | 1700       | 1        |       |
|             | 1800       |          |       |
|             | 1900       |          |       |
|             | 2000       |          |       |
|             | 2100       |          |       |
|             | 2200       |          |       |
|             | 2300       |          |       |
|             | 2:100      | 1        |       |

| SOUNDI | NG WIRE. |        | DREDGE                                | ROPE.     |
|--------|----------|--------|---------------------------------------|-----------|
| DOWN.  | UP.      | TURNS, | DOWN.                                 | UP.       |
|        |          | 2500   |                                       | 5-1. 6    |
|        |          | 2600   |                                       | Con       |
|        |          | 2700   | · · · · · · ·                         | 77225 0   |
|        |          | 2800   | TIL                                   | 1 .       |
| :      |          | 2900   |                                       | 17. 7. 50 |
|        |          | 3000   |                                       | 6.0       |
|        |          | 3100   | J. 45.                                | : ,.      |
|        |          | 3200   |                                       |           |
|        |          | 3300   | · · · · · · · · · · · · · · · · · · · | , , , ,   |
|        |          | 3400   | ** . * . *                            | 110       |
|        |          | 3500   |                                       | ·         |
|        |          | 3600   | The state of the                      | -110      |
|        |          | 3700   | -, , , ,                              | ·         |
| 1 4    |          | 3800   | 1.5.                                  |           |
| 1 1.   | / -      | 3900   | - L-T),                               |           |
|        |          | 4000   | A                                     | nd.       |

| MEPTH. | TEMP. | NO. OF THER.   | COR.    | COR, TEMP. |
|--------|-------|----------------|---------|------------|
| 25     |       |                |         |            |
| 50     |       |                |         |            |
| 100    |       |                |         |            |
| 200    |       |                |         |            |
| 300    |       |                |         |            |
| 400    |       |                |         |            |
| 500    |       |                |         |            |
| 600    |       |                |         |            |
| 700    |       |                |         |            |
| 800    |       |                |         |            |
| 900    |       |                |         |            |
| 1000   |       |                |         |            |
| 1-1023 |       | 71777 0 1 7177 | P. (74) |            |

No. D. 4777. Date 5 Trine, 06. 7. N. Machine. Reel.

Turns 52 Cor.+ Depth 52 for. Shot or lead T. B. Sinker y tibes

Bottom for G. Bottom temperature

No. of thermometer none

Corrected temperature

Air 440 Surface 410 Drift Travel or dredge / 2-ft Tanne

| SOUNDIN                                 | SOUNDING WIRE. |           | DREDGE    | ROPE. |
|---|----------------|-----------|-----------|-------|
| DOWN.                                   | UP.            | TURNS.    | DOWN.     | UP    |
| 41 -5                                   | -              | 0         | 1         |       |
| )*.                                     |                | 1 - 100 . | s / · · · | 1, -  |
|   | ,              | 200       |           |       |
| Till.                                   | 11.            | 300       |           | ^ +   |
|   | ,              | 400       | 100 fm.   | 7222  |
|   |                | 500       | nows      | Lund  |
| / · · · · · · · · · · · · · · · · · · · | :              | 600       | ,         |       |
|   |                | 700       |           |       |
|   | · ·            | 800       |           |       |
|   |                | 900       |           |       |
|   |                | 1000      |           |       |
|   |                | 1100      |           |       |
|   |                | 1200      |           |       |
|   |                | 1300      |           |       |
|   |                | 1400      |           |       |
|   |                | 1500      |           |       |
|   |                | 1600      |           |       |
|   |                | 1700      |           |       |
|   |                | 1800      |           |       |
|   |                | 1900      |           |       |
|   |                | 2000      |           |       |
|   |                | 2100      |           |       |
|   |                | 2200      |           |       |
|   |                | 2300      |           |       |
|   |                | 2100      |           |       |

| SOUNDING | WIRE. |        | DREDGE                                | ROPE. |
|----------|-------|--------|---------------------------------------|-------|
| DOWN.    | UP.   | TURNS. | DOWN.                                 | UP.   |
|          |       | 2500   | 1                                     |       |
|          |       | 2600   |                                       | 10    |
|          |       | 2700   | Du                                    |       |
|          |       | 2800   | 34                                    | 2     |
|          |       | 2900   |                                       | 345   |
|          |       | 3000   | 1                                     | " xi) |
|          |       | 3100   |                                       |       |
|          |       | 3200   | Commence of                           |       |
|          |       | 3300   | · · · · · · · · · · · · · · · · · · · |       |
|          |       | 3400   | - 1.179                               | 371 = |
|          |       | 3500   | 1                                     | y++   |
| r , L    |       | 3600   | State great                           | ****  |
| '        |       | 8700   | 3,                                    |       |
|          |       | 3800   | C. 1. 1. 1.                           |       |
|          | Su    | 3900   | -3-4                                  | e'    |
|          |       | 4000   | 200                                   |       |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       | ,            |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

11-1023 D: 4778 Date 5 /me, 06. Machine. Reel.

Turns 42 Cor.+ Depth 43 for Shator lead T.B. Lake of Sink

Bottom : freig. Bottom temperature

No. of thermometer none Cor.

Corrected temperature

Air 450 Surface 410

| SOUNDI | NG WIRE. |        | DREDGE                                  | ROPE.      |
|--------|----------|--------|---|------------|
| DOWN.  | UP.      | TURNS. | DOWN.                                   | UP.        |
|        |          | 2500   |   |            |
|        |          | 2600   |   |            |
|        |          | 2700   | A 2000                                  |            |
|        |          | 2800   |   |            |
|        |          | 2900   |   |            |
|        |          | 3000   | 7                                       |            |
|        |          | 3100   | =144                                    |            |
|        |          | 3200   | . ).                                    | 12' 7      |
| 1      | - 3      | 8300   | /?.*                                    | · v 2 4    |
|        |          | 3400   |   |            |
|        |          | 3500   | 4                                       |            |
| ,      |          | 3600   |   | redució de |
|        |          | 3700   | * |            |
|        | -2       | 3800   | Strati                                  |            |
| , ,    | : 4      | 3900   | a,                                      | : 1:       |
|        |          | 4000   | 1.0                                     | -          |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       | /            |      | ·          |
| 200    | - 8   |              |      | on         |
| 800    | " )、  | ec           |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

No. 1) 4778 and d. Date . T.

Machine. Reel.

Turns Cor, +Depth 33

Shot or lead T.R. finter Bottom for The G. P. Then Ch

Bottom temperature

No. of thermometer Cor.

Corrected temperature

Air 450 Surface 4/0 Drift

| SOUNDING WIRE. |     |        | DREDGI     | E ROPE. |
|----------------|-----|--------|------------|---------|
| DOWN.          | UP. | TURNS. | DOWN.      | UP.     |
|                |     | 2500   |            |         |
|                |     | 2600   | white said |         |
|                |     | 2700   | Egl.       |         |
|                |     | 2800   |            |         |
|                |     | 2900   |            |         |
|                |     | 3000   | Cont.      |         |
|                |     | 3100   | (500)      | y .     |
|                |     | 3200   | 240        |         |
| 1              | 700 | 3300   | 44.        |         |
| . ,            |     | 3400   | 1          |         |
|                |     | 3500   | - 1        |         |
| ,              | , " | 3600   |            |         |
| (              |     | 3700   |            |         |
|                |     | 3800   |            |         |
| 44.            | 7   | 3900   |            |         |
| 9.7            |     | 4000   |            |         |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR, TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 000    |       |              |      |            |
| 1000   |       |              |      |            |

No. 7 2 Date ....

7. N. Machine. Reel.

Turns I'Y Cor.+ Depth I'Y forms Shot or lead 7. B. Ende & Simeters

Bottom The St. P.S.

Bottom temperature

No. of thermometer Three Cor

Corrected temperature

Air / Surface 4/2 Drift

| SOUNDING WIRE. |   |        | DREDGE ROPE. |
|----------------|---|--------|--------------|
| DOWN,          | UP.                                     | TURNS. | DOWN. ' UP.  |
| **             | • | 0      |              |
|                | ., .                                    | 100    | 20           |
|                |   | 200    |              |
|                |   | 300    |              |
|                | Sui                                     | 400    |              |
|                |   | 500    |              |
| •              |   | 600    | 12.          |
| -              | . ,                                     | 700    |              |
|                | \                                       | 800    | ·            |
| -              | 1 2 3                                   | 900    | , ,          |
|                | , ,                                     | 1000   |              |
|                |   | 1100   |              |
|                |   | 1200   |              |
|                |   | . 1300 |              |
|                |   | 1400   |              |
|                |   | 1500   |              |
|                |   | 1600   |              |
|                |   | 1700   |              |
|                |   | 1800   |              |
|                |   | 1900   |              |
|                |   | 2000   |              |
|                |   | 2100   |              |
|                |   | 2200   |              |
|                |   | 2300   |              |
|                |   | 2100   |              |

| SOUNDI    | NG WIRE.          |         | DREDGI   | E ROPE.   |
|-----------|-------------------|---------|----------|-----------|
| . DOWN,   | UP.               | TURNS.  | DOWN.    | UP.       |
|           |                   | 2500    | 3        |           |
| /         |                   | 2600    | 175-     |           |
|           |                   | 2700    |          | / 1       |
|           |                   | 2800    |          | 7.77      |
|           |                   | 2900    | *, .     | , 'L.,    |
|           |                   | 3000    | 777-716  |           |
| ,,        |                   | 3100    | 9,000    | 17        |
| Earino:   | Ted by. The Other | 3200    |          | 1.00      |
| poeknoi.  | Id. Ly            | 3300    |          | 45        |
| . 5913 W  | True):            | 3400    | 20.2     |           |
| . A. 37   | to (true).        | 3500    | /· · · · | *         |
| - Ly      |                   | 3600    | 100      | 1:,       |
|           |                   | 8700    | 1.5      |           |
| int.      | P')               | 8800    |          |           |
| ist on.   | /                 | 3900    |          |           |
| 7 -       | 11                | 4000    |          |           |
|           | SERIAL            | TEMPER. | ATURES.  |           |
| DEPTH. TE | MP. NO. OF        | THER.   | COR. C   | OR. TEMP. |

| DEPTH.   | TEMP.  | NO. OF THER. | COR. | COR. TEMP. |
|----------|--------|--------------|------|------------|
| 25<br>50 | Yar. 1 | 170 6        |      |            |
| 100      | . (    |              |      |            |
| 200      |        |              |      |            |
| 300      |        |              |      |            |
| 400      |        |              |      |            |
| 500      |        |              |      |            |
| 600      |        |              |      |            |
| 700      |        |              |      |            |
| 800      |        |              |      |            |
| 900      |        |              |      |            |
| 1000     |        |              |      |            |

Machiné. Reel.

Turns

· Cor.+

Depth J

Shot or lead I the take with

Bottom 17/12. Akulas

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 4 2 Surface 1

Drift

Trawl or dredge

| SOUND | ING WIRE. |        | . DREDGE | ROPE |
|-------|-----------|--------|----------|------|
| DOWN. | UP.       | TURNS. | DOWN.    | UP.  |
|       | 1111      | 0      |          |      |
|       | 1         | ,/ 100 |          |      |
|       |           | 200    |          |      |
|       |           | 300    |          |      |
|       |           | 400    |          |      |
|       |           | 500    |          |      |
|       |           | 600    |          |      |
|       |           | 700    |          |      |
|       |           | 800    |          |      |
|       |           | 900    |          |      |
|       |           | 1000   |          |      |
|       |           | 1100   |          |      |
|       |           | 1200   |          |      |
|       |           | 1300   |          |      |
|       |           | 1400   |          |      |
|       |           | 1500   |          |      |
|       |           | 1600   |          |      |
|       |           | 1700   | ,        |      |
|       |           | 1800   |          |      |
|       |           | 1900   |          |      |
|       |           | 2000   |          |      |
|       |           | 2100   |          |      |
|       |           | 2200   |          |      |
|       |           | 2300   |          |      |
|       |           | 2100   |          |      |

| SOUNDI | NG WIRE.  |        | DREDGE | ROPE |
|--------|-----------|--------|--------|------|
| DOWN.  | UP.       | TURNS. | DOWN.  | Ul   |
|        |           | 2500   |        |      |
|        |           | 2600   |        |      |
|        |           | 2700   |        |      |
|        |           | 2800   |        |      |
|        |           | 2900   |        |      |
|        |           | 3000   |        |      |
|        |           | 3100   |        |      |
| .)     |           | 3200   |        |      |
| 1      | -7        | 3300   |        |      |
| 1 1 1  |           | 3100   |        |      |
|        | 0         | 3500   |        |      |
|        | -         | 3600   |        |      |
| 1      | , : , = = | 3700   |        |      |
| 1 1. / | ′         | 3800   |        |      |
| -      |           | 3900   |        |      |
|        |           | 4000   |        |      |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR, TEMP, |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

No. Hall 6 3 Date
T. M. Machine: Reel.

Turns

Cor.+

Depth

Shot or lead TH Link Bottom Al 5 Delple

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 43 Surface 4 Drift

Trawl or dredge

| DOWN. UP. | TURNS.  0 100 200 300 400 500 | DOWN. | UP. |
|-----------|-------------------------------|-------|-----|
|           | 200<br>300<br>400             |       |     |
|           | 200<br>300<br>400             |       |     |
|           | 200<br>300<br>400             |       |     |
|           | 400                           |       |     |
|           |                               |       |     |
|           | 500                           |       |     |
|           |                               |       |     |
|           | 600                           |       |     |
|           | 700                           |       |     |
|           | 800                           |       |     |
|           | 900                           |       |     |
|           | 1000                          |       |     |
|           | 1100                          |       |     |
|           | 1200                          |       |     |
|           | 1300                          |       |     |
|           | ,1400                         |       |     |
|           | 1500                          |       |     |
|           | 1600                          |       |     |
|           | 1700                          |       |     |
|           | 1800                          |       |     |
|           | 1900                          |       |     |
|           | 2000                          | ,     |     |
|           | 2100                          |       |     |
|           | 2200                          |       |     |
|           | 2300                          |       |     |

| SOUNDING WIRE. |     |        | DREDGE ROPE. |     |  |
|----------------|-----|--------|--------------|-----|--|
| DOWN.          | UP. | TURNS, | DOWN.        | UP. |  |
|                |     | 2500   |              | -   |  |
|                |     | 2600   |              | -   |  |
|                |     | 2700   |              |     |  |
|                |     | 2800   |              | ,   |  |
|                |     | 2900   | ٠,           |     |  |
|                |     | 3000   |              |     |  |
|                |     | 3100   |              |     |  |
| , 1            |     | 3200   |              |     |  |
|                |     | 3300   |              |     |  |
|                |     | 3100   |              |     |  |
| ,              |     | 3500   |              |     |  |
|                |     | 3600   |              |     |  |
|                |     | 3700   |              |     |  |
| 1              |     | 3800   |              |     |  |
|                |     | 3900   |              |     |  |
|                |     | 4000   |              |     |  |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR, TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 100    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

No. 4364 Date
T. N. Machine. Reel.

Turns Cor.+

Depth 101

Shot or lead 7-14 Junte Bottom bly s. pertle

Bottom temperature

No. of thermometer

Cor.

Corrected temperature

Air 12 Surface 4 Drift

Trawl or dredge

| SOUND | ING WIRE. | TURNS.    | DREDGE ROPE. |     |  |
|-------|-----------|-----------|--------------|-----|--|
| DOWN. |           |           | DOWN.        | UP. |  |
| ;     | 111       | 0<br>1000 |              |     |  |
|       |           | 200       |              |     |  |
|       |           | 300       |              |     |  |
|       | 1         | 400       |              |     |  |
|       |           | 500       |              |     |  |
|       |           | 600       |              |     |  |
|       |           | 700       |              |     |  |
|       |           | 800       |              |     |  |
|       |           | 900       |              |     |  |
|       |           | 1000      |              |     |  |
|       |           | 1100      |              |     |  |
|       |           | 1200      |              |     |  |
|       |           | 1300      |              |     |  |
|       |           | 1400      |              |     |  |
|       |           | 1500      |              |     |  |
|       |           | 1600      |              |     |  |
|       |           | 1700      |              |     |  |
|       |           | 1800      |              |     |  |
|       |           | 1900      |              |     |  |
|       |           | 2000      |              |     |  |
|       |           | 2100      |              |     |  |
|       |           | 2200      |              |     |  |
|       |           | 2300      |              |     |  |
|       |           | 2400      |              |     |  |

| SOUNDIN | G WIRE. |        | DREDG | E ROPE. |
|---------|---------|--------|-------|---------|
| DOWN.   | UP.     | TURNS. | DOWN, | U1',    |
|         |         | 2500   | 72    | /       |
|         |         | 2600   |       | 1000    |
|         |         | 2700   | 55    |         |
|         |         | 2800   |       |         |
|         |         | 2900   |       |         |
| į       |         | 3000   |       |         |
|         |         | 3100   |       |         |
|         |         | 3200   |       |         |
|         |         | 3300   |       |         |
|         | :       | 3400   |       |         |
| - 1     |         | 3500   |       |         |
|         |         | 3600   |       |         |
| /       |         | 3700   |       |         |
| 1       | (       | 3800   |       |         |
| 1       | ,       | 3900   |       |         |
| -       |         | 4000   |       |         |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       | -            |      |            |
| 1000   |       |              |      |            |

No. of thermometer

Corrected temperature

Air Surface AI Drift

Trawl or dredge

| SOUNDING   | WIRE.     |        | DREDGE ROPE. |     |  |
|------------|-----------|--------|--------------|-----|--|
| DOWN.      | UP.       | TURNS. | DOWN,        | UP. |  |
|            | 11/2      | . 0    |              |     |  |
| . 1        | 1900      | 100    |              |     |  |
| * 11       | 33 31     | 200    |              |     |  |
| 1          | 1,50      | 300    |              |     |  |
|            |           | 400    |              |     |  |
| 1 10       | 2, , 3    | 500    |              |     |  |
| <i>'</i> . | 1 /       | 600    |              |     |  |
|            |           | 700    |              |     |  |
| /          | 7: 70     | 800    |              |     |  |
| 11 1:      | ·. ·      | 900    |              |     |  |
| 2          | · , , , . | 1000   |              |     |  |
|            | -1 "      | 1100   |              |     |  |
|            | 7         | 1200   |              |     |  |
|            | 11        | /1800  |              |     |  |
|            | ,         | 1400   |              |     |  |
|            |           | 1500   |              |     |  |
|            |           | 1600   |              |     |  |
|            |           | 1700   |              |     |  |
|            |           | 1800   |              |     |  |
|            |           | 1900   |              |     |  |
|            |           | 2000   |              |     |  |
|            |           | 2100   |              |     |  |
|            |           | 2200   |              |     |  |
|            |           | 2300   |              |     |  |
|            |           | 2400   |              |     |  |

| SOUNDING WIRE. |     |        | DREDGE ROPE. |            |  |
|----------------|-----|--------|--------------|------------|--|
| DOWN.          | UP. | TURNS. | DOWN.        | UP.        |  |
|                |     | 2500   |              | 42 v       |  |
|                |     | 2600   | 30           | VY. U. 202 |  |
|                |     | 2700   | 11 2.        | .0 5: 1 "  |  |
|                |     | 2800   | . /;         | P 631      |  |
|                |     | 2900   |              | Nouth OH   |  |
|                |     | 3000   |              | havi Id.   |  |
|                |     | 3100   | 1            | o (may     |  |
|                |     | 3200   |              | · Tree     |  |
|                |     | 3300   |              |            |  |
|                |     | 3100   |              |            |  |
|                |     | 3500   |              |            |  |
|                |     | 3600   |              |            |  |
|                |     | 3700   |              |            |  |
| 31.            |     | 3800   |              |            |  |
|                |     | 3900   |              |            |  |
|                |     | 4000   |              |            |  |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       |              |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

4. 4866 Date June 5, 1906

Machine. Reel. Lucas

Cor.+

Depth 3 29 fath

Shot or lead 60 leb + Sigebee cup

Bottom que les D; Bottom temperature 3 8 b

No. of thermometer 108019

Corrected temperature 37.9

Air 42° Surface 41

| SOUNDING WIRE.   |       | DREDGE ROPE. |  |  |
|--|-------|--------------|--|--|
| DOWN. 70 7 UP. TURNS.  | DOWN. | UP.          |  |  |
| 26-40/1-34-10  | 0     |              |  |  |
| 27-20 32-40  | 100   |              |  |  |
| 28-05 31-35-   | 200   |              |  |  |
| 28-55 30-30  | 300   |              |  |  |
| 29-20 1-30-05  | 329   |              |  |  |
|  | 500   |              |  |  |
| M MAN A  | 600   |              |  |  |
|  | 700   |              |  |  |
|  | 800   |              |  |  |
| and the second   | , 900 |              |  |  |
| 3.   | 1000  |              |  |  |
| The state of the s | 1100  |              |  |  |
|  | 1200  |              |  |  |
| The state of the s | 1300  |              |  |  |
|  | 1400  |              |  |  |
| P = 10 - 20 - 3  | 1500  |              |  |  |
|  | 1600  |              |  |  |
|  | 1700  |              |  |  |
|  | 1800  |              |  |  |
|  | 1900  |              |  |  |
|  | 2000  |              |  |  |
|  | 2100  |              |  |  |
|  | 2200  |              |  |  |
|  | 2300  |              |  |  |
|  | 2400  |              |  |  |

| SOUNDING WIRE. |      |        | DREDGE ROPE.              |         |  |
|----------------|------|--------|---------------------------|---------|--|
| DOWN.          | UP.  | TURNS. | DOWN.                     | UP.     |  |
|                |      | 2500   | P.Loa.<br>Chart<br>Lat. S | 74.5    |  |
|                |      | 2600   | Chart                     | 41.0.5  |  |
|                |      | 2700   | Igat. 5                   | 1026 40 |  |
|                |      | 2800   | I one. 1                  | 49° 55' |  |
|                | 100  | 2900   |                           | 1       |  |
|                |      | 8000   |                           |         |  |
|                | 100  | 3100   |                           |         |  |
|                |      | 3200   |                           |         |  |
|                |      | 8800   |                           |         |  |
|                |      | 3400   |                           |         |  |
|                |      | 3500   |                           |         |  |
|                | 1    | 3600   |                           |         |  |
| ,              | ,0%. | 3700   | 1                         |         |  |
| Var.           | 7    | 3800   |                           |         |  |
| 400            | /    | 3900   |                           |         |  |
|                |      | 4000   |                           |         |  |

| PEPTH. | TEMP. | NO. OF THER. | COR. | COR. TEMP. |
|--------|-------|--------------|------|------------|
| 25     |       |              |      |            |
| 50     |       | Land To      |      |            |
| 100    |       |              |      |            |
| 200    |       |              |      |            |
| 300    |       |              |      |            |
| 400    |       | the state of |      |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       | 100          |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |

No. H 4867 Date frame 6 6 6

Lucas Machine. Reel. Lucas

Turns Cor.+ Depth 128 8

Shot or lead 35# + Light cup

Bottom # 99 M; bot 8; fund.

Bottom temperature 25.2

No. of thermometer 108019 Cor. -0.1°

Corrected temperature 35.1°

Air 42° Surface 40° Drift Trawl or dredge

| SOUNDING WIRE.     |         | DREDGE ROPE. |     |  |
|--------------------|---------|--------------|-----|--|
| DOWN. A 711 - UP.  | TURNS.  | DOWN.        | UP. |  |
| 8-11-20 8-41-1     | 5 0     |              |     |  |
| 12-10 40-3         | 30 100  |              |     |  |
| 13-10 39-8         | 200     |              |     |  |
| 14-10 38-3         | 0 300   |              |     |  |
| 15-10 36-3         | 6 400   |              |     |  |
| 16-10 05-4         | 0 500   |              |     |  |
| 17-20 34-4         | 0 . 600 |              |     |  |
| 18-35 33-4         | 700     |              |     |  |
| 19-50 32-4         | 800     |              |     |  |
| 21-25 31-4         | 900     |              |     |  |
| 22-45 30-4         | , 1000  |              |     |  |
| 24-00. 29-4        | 5 1100  |              | 75  |  |
| 25-20 28-3         | 1200    |              |     |  |
| 8-26-25-8-27-2     |         |              |     |  |
| x Register slipp   | 1400    |              |     |  |
| Stopped / orine to | 1500    |              |     |  |
| Pif some Regi      | 1600    |              |     |  |
| requestered 15 for | 1700    |              |     |  |
| when reached       | 1800    |              |     |  |
|                    | 1900    |              |     |  |
|                    | 2000    |              |     |  |
|                    | 2100    | TV-          |     |  |
|                    | 2200    |              |     |  |
|                    | -2300   |              |     |  |
|                    | 0100    | 100          |     |  |

| SOUNDING WIRE. |     |        | DREDGE ROPE. |                          |  |
|----------------|-----|--------|--------------|--------------------------|--|
| DOWN.          | UP. | TURNS. | DOWN.        | UP.                      |  |
|                |     | 2500   | 0.2.         | 33,1                     |  |
|                |     | 2600   | Chart.       | 33, 1<br>N-0. 5<br>05'00 |  |
|                |     | 2700   | Lat. 570     | 05'00                    |  |
|                |     | 2800   | Long. 1      | 79002                    |  |
| -              |     | 2900   |              |                          |  |
|                | +.  | 3000   | 1000         |                          |  |
|                |     | 8100   |              |                          |  |
|                |     | 3200   |              |                          |  |
|                |     | 3300   |              |                          |  |
|                |     | 3400   |              |                          |  |
|                |     | 3500   | 100          |                          |  |
|                |     | 3600   |              |                          |  |
| 3/             | 050 | 3700   | 1            |                          |  |
| Var. K         | 6-  | 3800   |              |                          |  |
|                |     | 3900   |              |                          |  |
| 1              |     | 4000   |              |                          |  |

| DEPTH. | TEMP. | NO. OF THER. | COR. | COR, TEMP. |
|--------|-------|--------------|------|------------|
| 25     | 91111 |              |      | - 4        |
| 50     |       |              |      |            |
| 100    |       |              |      |            |
| 200    | ,     |              |      |            |
| 800    |       | -            |      |            |
| 400    |       |              | -    |            |
| 500    |       |              |      |            |
| 600    |       |              |      |            |
| 700    |       |              |      |            |
| 800    |       |              |      |            |
| 900    |       |              |      |            |
| 1000   |       |              |      |            |